CHEMIST and DRUGGIST SEPTEMBER 23, 1944

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

tablished 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

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L. CXLII SEPTEMBER 23, 1944 Annual Subscription (with Diary) 25/-. Single copies 9d.

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Index to Advertisers pp. 5 & 6

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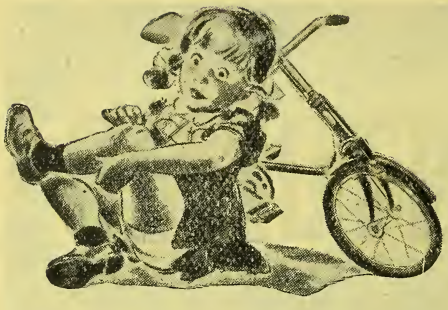

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NEEDS NO SUGAR

INDEX TO ADVERTISERS

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Acton Pill & Tablet Co., Ltd.	13
Aimer, G. C., & Co.	22
Albro Fillers & Engineering Co., Ltd.	x
Allen, Stafford, & Sons, Ltd.	19
Anglo-African Shipping Co. (S.A.), Ltd.	iii
Ashley & Weeks, Ltd.	iii
Bayer Products, Ltd.	i
"Belfast Telegraph"	xi
Berton, Arthur, Ltd.	iv
Boake Roberts, A., & Co., Ltd.	Leader Page
Borys Beauty Products, Ltd.	24
Box, W. H.	22
Briccas, Ltd.	24
British Cellophane, Ltd.	ix
British Cod Liver Oil Producers (Hull), Ltd.	9
British Drug Houses, Ltd., The	iii
British Felsol Co., Ltd.	Cover iv
Brome & Schimmer	v
Brooks, D., & Co., Ltd.	ix
Brooks, R., & Co.	viii
Brown & Forth, Ltd.	v
Bryan, Don, Ltd.	xi
Burrough, James, Ltd.	Leader Page
Burroughs Wellcome & Co.	25
Bush, Beach & Gent, Ltd.	v
Cadbury Bros., Ltd.	4
Calvert, F. C., & Co., Ltd.	5
Cartwright, W. B., Ltd.	6
Cellon Laboratories, Ltd.	12
Chesebrough Manfg. Co., Ltd.	ii
Ciba, Ltd.	26
Clinical Products, Ltd.	ii
Cohen, Simon C.	10

(*continued overleaf*)

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PLEASE ORDER EARLY

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INDEX—(contd.)

Container Recovery Service, S.P.D., Ltd. iv
Coty (England), Ltd. 24
Cox, Arthur H., & Co., Ltd. 8
Crookes Laboratories (British Colloids, Ltd.) 3
Dales Aspirin Co. 13
Daniel, Richard, & Son, Ltd. 13
Dominion Steel Corporation, Ltd. Leader Page
E.N.T. Manufacturing Co., Ltd. 22
English Grains Co., Ltd. 22
Everett, S. & R. J., & Co., Ltd. 22
Fassett & Johnson, Ltd. 12
Faylene Manufacturing Co. Col. Supp.
Freudentheil, Smith & Co. Leader Page
Gelatin Products, Ltd. 15
Gilbert, J. C., Ltd. v
Goldstone Chemical Works Leader Page
Gordon & Gotch, Ltd. 13
Haetam, Ltd. Col. Supp.
Harrington's Col. Supp.
Harwoods Laboratories, Ltd. 5
Hiney & Mooney xi
Howard, Lloyd & Co., Ltd. 8
International Laboratories, Ltd. 8, 15, 17
Janssen's, Dr., Ltd. viii
Jeffreys, Miller & Co., Ltd. 22
Johnson & Johnson (G.B.), Ltd. 16
Kearsley, C. & G., Ltd. 21
Keene's Laboratories, Ltd. viii
Kerfoot, T., & Co., Ltd. 4
King, G., & Co., Ltd. ix
Luminos, Ltd. vi
Matthews Laboratories, Ltd. Leader Page
Maw, S., Son & Sons, Ltd. 21
Meggeson & Co., Ltd. Front Cover
Monro, G., Ltd. vi
Monsanto Chemicals, Ltd. 1
Napp, H. R., Ltd. Leader Page
National Association of Opticians Leader Page
National Glass Works (York), Ltd. 11
Newton, Chambers & Co., Ltd. vii
Orridge & Co. Col. Supp.
Palestine Potash, Ltd. 10
Pharmaceutical Specialities (May & Baker), Ltd. Cover iii
Pharmax, Ltd. 21
Phosferine (Ashton & Parsons), Ltd. 12
Polak & Schwarz (England), Ltd. 16
Potter & Clarke, Ltd. 23
Prentice, J., (London), Ltd. Col. Supp.
Prunol Proprietaries, Ltd. 14
Rendell, W. J., Ltd. 7
Roche, Maurice, Ltd. 10
Samona, Ltd. 14
Savory & Moore, Ltd. Leader Page
Seurr, C. A. Col. Supp.
Sessions, W., Ltd. viii
Sharp & Dohme, Ltd. 2
Splendor, Ltd. xi
Stemeo, Ltd. 14
Stevens, W., & Co.'s Radiol Co. Col. Supp.
Sumner, R., & Co., Ltd. xi
Surgical Hosiery Co., Ltd. ix
Tampax, Ltd. vii
Thackray, C. F., Ltd. 21
Tintex Dyes vi
Town Talk Polish Co. vi
Toxadent, Ltd. xii
United Glass Bottle Manufacturers, Ltd. 20
Velvet Crepe Paper Co., Ltd. vii
Virdox, Ltd. 14
Wafer Razor, Co., Ltd., The 24
Waide, Thos., & Sons, Ltd. x
Wilson & Mansfield, Ltd. viii
Wilson Meats, Ltd. xi
Wood Bros. Glass Co., Ltd. 18
Wright, Layman & Umney, Ltd. Cover ii
Zeal, G. H., Ltd. iv

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This is the formula of Neodex Seltzer :

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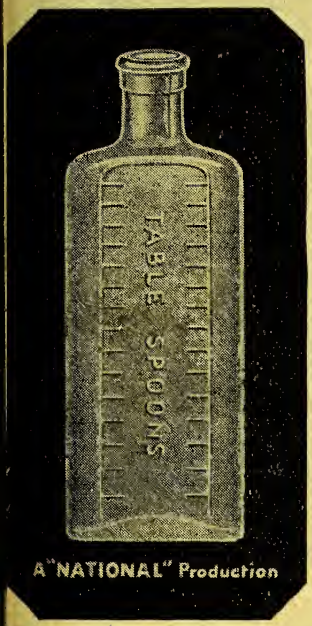

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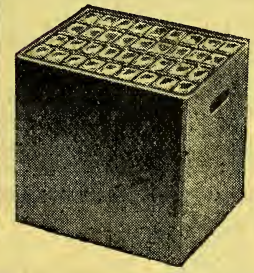

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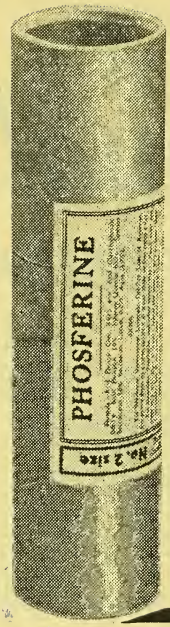

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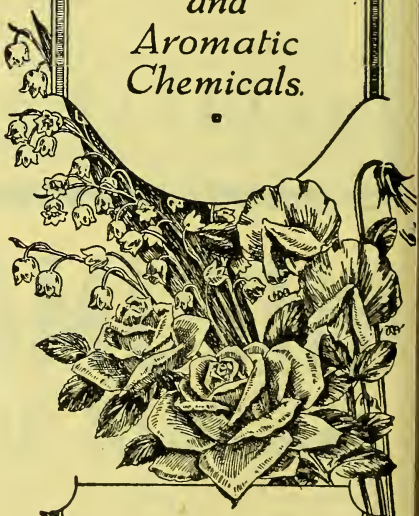

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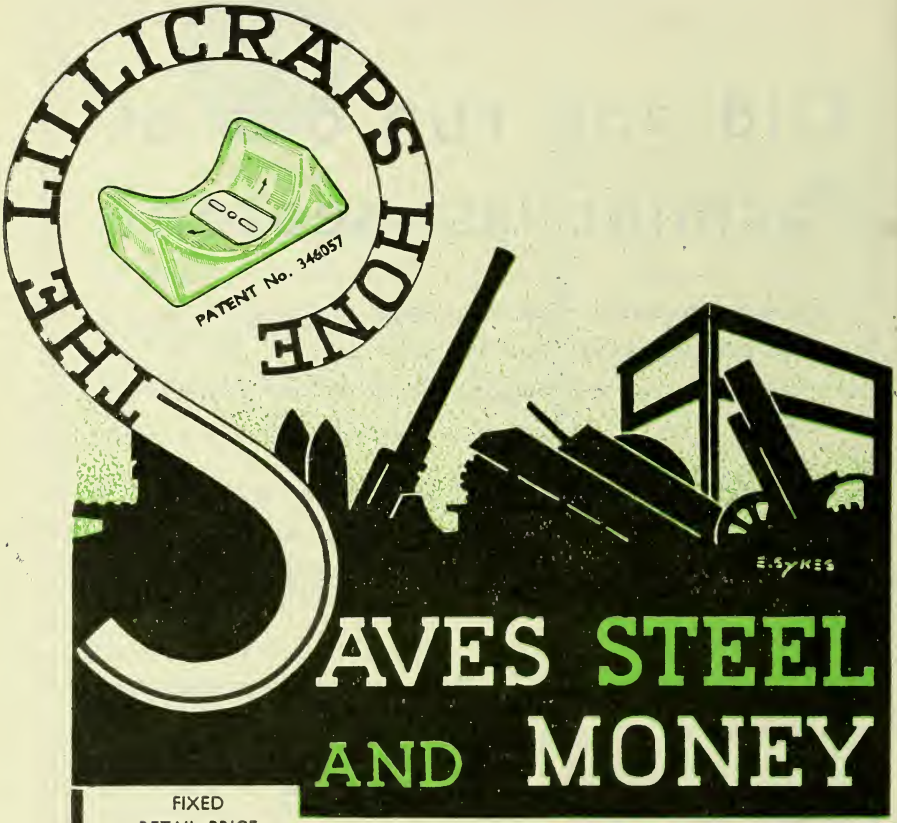

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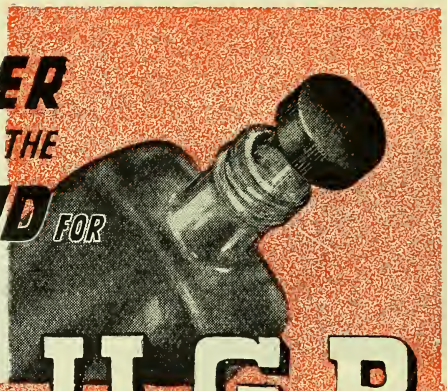

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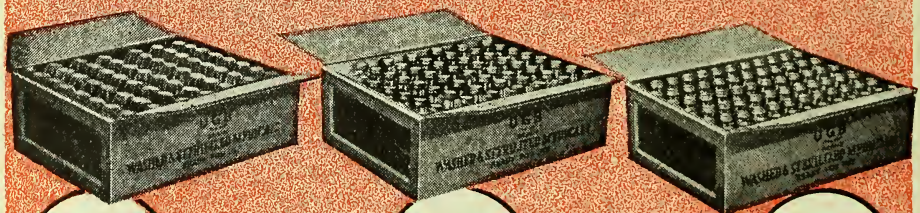

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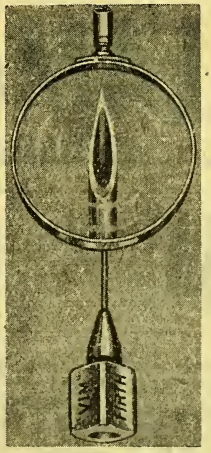

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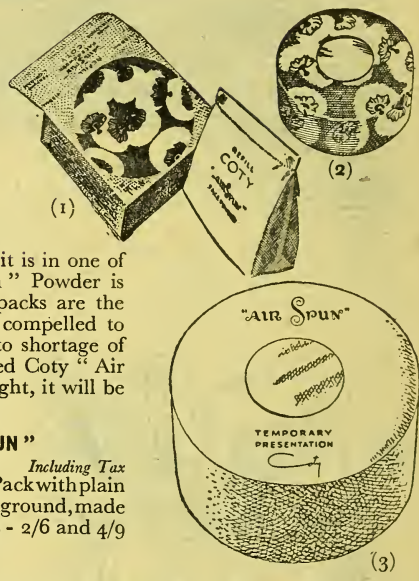

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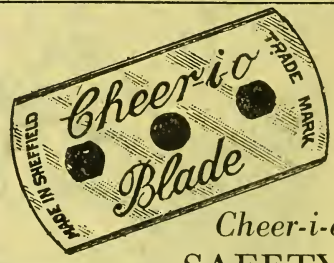

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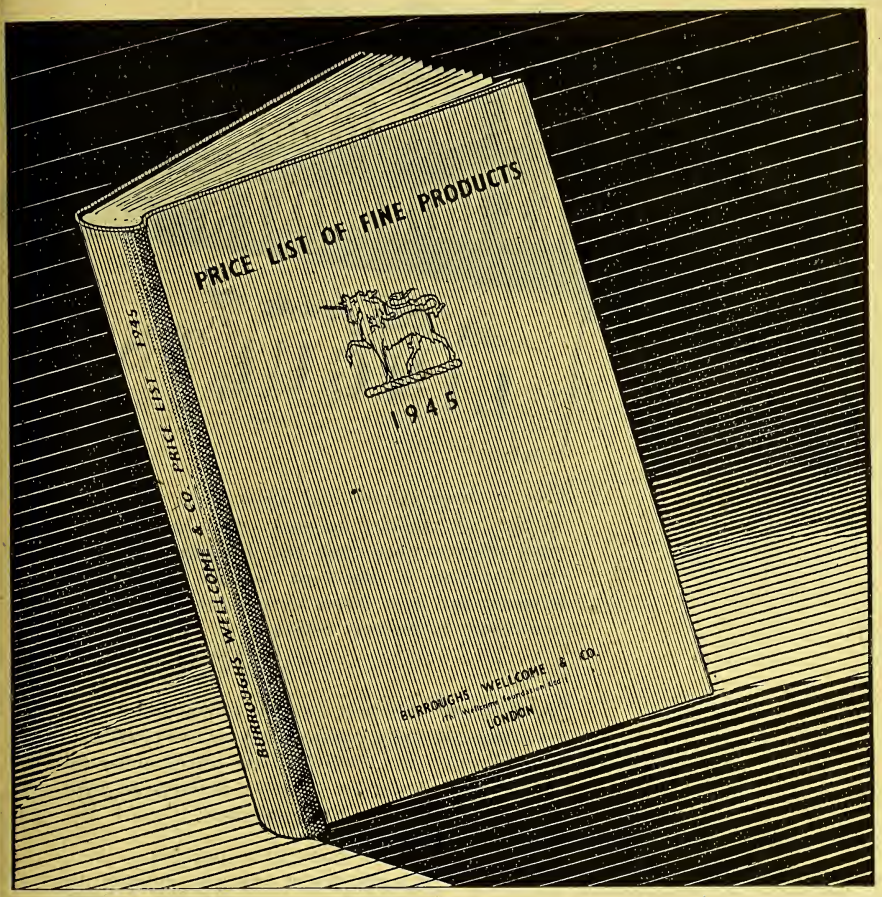

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★ *Brit. Med. J. 1942, 1, 668.*
J. Clin. Endocrin., 1942, 2, 639.

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CONTENTS

	Page
Back to the Retail After Ten Years	329
Business Changes	319
"C. & D." Quiz No. 37	318
Coming Events	318
Company News	318
Correspondence	338
Deaths	320
Deputation to Leeds City Council	321
Edinburgh Branch Discusses N.H.S.	332
Editorial Articles:—	
Labelling of Saccharin	327
Patulin Fails	327
The Future of Rubber	328
Eire Pharmaceutical Council Election	322
Legal Reports	316
Manchester's N.H.S. Questions Answered	331
Marriages	320
Miscellaneous Inquiries	338
News of the Week	313
Personalities	320
Prevention of Measles Epidemics	330
Sulphadiazine and Cerebrospinal Meningitis	321
Topical Reflections	317
Trade Marks	334
Trade Notes	319
Trade Report	335

NEWS OF THE WEEK

Nottingham Red Cross Show.—£250 in prizes was presented by Boots Pure Drug Co., Ltd., at a horticultural and dog show and gymkhana held in the company's athletic ground, Lady Bay, Nottingham, on September 9. The opening ceremony was performed by Lord Trent. In a horticultural section for the staff of the company, over 600 entries were received.

North-eastern Grocer's Protest.—At a meeting of the North-eastern Council of the Grocers' Federation at South Shields, on September 13, a member protested that chemists were permitted to sell goods previously handled by grocers. Black-currant purée was cited as an example. He said a grocer was as well able to know whether the preparation was being sold for a child or invalid as any chemist.

Middlesbrough N.P.U. Branch.—A meeting of the Middlesbrough Branch of the National Pharmaceutical Union was held on September 15. Mr. W. A. Thompson was elected *Chairman* and Mr. J. Gould, *Secretary*. A letter received from the Nottingham N.P.U. Branch was discussed. In it it was suggested that the Society's Council was acting inimically to members' interests in not inviting certain other bodies to be represented on the Joint Committee. It was decided that the Society was not acting unwisely at this stage in concerning itself only with the views of groups representing pharmacists.

Traders Protest Against Co-op Essays.—A resolution protesting against a recent decision of Glasgow Corporation to allow local co-operative societies to organise essay competitions in the post-primary departments of the schools was passed recently at a meeting organised by the Council of Retail Distributors (Scottish Section). The meeting condemned as wrong in practice any proposal to permit the promulgation of political and commercial propaganda in educational establishments, urging that such methods of promoting a particular form of trading organisation were inimical to a democratic State.

National Association of Women Pharmacists.—Miss E. F. Hayward, 66 King William Walk, Greenwich, London, S.E.10, has been appointed *Secretary*.

More U.S. Supplies for Eire.—The Irish Red Cross Society has recently received a further consignment of medical supplies (valued at £2,920) from the American Red Cross. The delivery was a portion of a gift to Eire of £187,500 worth of supplies. To date, the Irish Red Cross has received from the U.S.A. supplies valued at £57,500.

Cheshire Rose-hips Target.—Following a tour of the county by a representative of the Directorate of Medical Supplies, Cheshire has been asked to produce twelve tons of rose hips this season. Collecting centres have been opened at Chester; Frodsham; Neston; Willaston, Wirral; Tarvin; Calveley; Tarporley; and Nantwich.

Chemists' Hours in Carrickfergus.—A Northern Ireland correspondent writes: "Eleventh-century Carrickfergus still leads the rest of the country in modern methods and progress. Local chemists have decided that pre-war hours are antiquated. They have now adopted a forty-four-hour schedule, as follows: Monday to Friday, closing time 6 p.m., Saturdays, 1 p.m.; no Sunday or night duty."

Eire Customs Seizures Auction.—Among goods disposed of at an auction of Customs seizures held at Custom House, Dublin, by the Revenue authorities on September 12 were quantities of roll film, photographic plates, printing papers, and a variety of cosmetic and perfumery goods. Most of the photographic goods and cosmetics were, it is understood, seized from persons travelling from Eire to Northern Ireland.

Newcastle Women Urge Equal Pay.—Following a talk by Miss Margaret Bell (Newcastle Royal Victoria Infirmary) on "Hospital Pharmacy," on September 12, Newcastle Branch of the National Association of Women Pharmacists embarked upon a discussion, led by Miss M. Wardle, on "Should women pharmacists be paid less than men?" The meeting decided that "The rates of pay for both men and women qualified pharmacists should be the same for the same grade of work in both hospital and retail pharmacy."

Devon Warning Against Further Call-up.—At a luncheon held in connexion with the annual meeting of the Insurance Committee for the county of Devon, Mr. E. H. Toogood (chairman of the medical benefit subcommittee) reviewing the medical and pharmaceutical service given in the county, said he felt strongly that the time had come when no further recruitment or replacement demands should be made on the doctors and chemists of the county, otherwise it would be a very serious matter for insured persons and the public generally.

Seaside Antifly Measures.—Following relaxation of the ban on certain seaside resorts, it has been found that beaches in some areas are infested with flies and other pests in wide variety. They are being dealt with on a scientific basis. Specimens are being sent to entomologists, who, after identifying them, advise the authorities on the appropriate action to be taken.

Premises Ransacked.—Three men entered the premises of Mr. James H. Thomson, M.P.S., 186 Dalry Road, Edinburgh, on the afternoon of September 13. One of them asked for a tube of tooth-paste. When Mr. Thomson turned round to hand him the tube he found himself looking down the barrel of a revolver. The other two men ordered him to the cellar and then ransacked the premises, taking about £6 from the till. The men started to gag and bind Mr. Thomson but changed their minds and left him in the cellar.

Newcastle Film Show.—A large attendance of members at Newcastle-on-Tyne on September 7 showed great interest in Ministry of Information films put on at a meeting of the local branch of the Pharmaceutical Society. Miss K. Bell (vice-chairman of the Branch) presided. The main feature was a full-length film, "Blood Transfusion," which was followed by three "shorts": "The Nose Has It," "Mass Radiography" and "Defeat Tuberculosis." A vote of thanks to the projectionist and to the Ministry of Information was proposed by Mr. Graham, seconded by Mr. Babington.

Warning Against Unbranded "Wines."—A warning to the public against buying unbranded concoctions described as "Wine—British type," has been given by the chairman of the North Midland Regional Price Regulation Committee, who pointed out that there was no limitation on the prices charged for liquors. The report of an analyst on samples of "Fine British Golden Sherry" and "Burgundy Type" was as follows: "Both liquids are somewhat inferior grade domestic wines prepared from sugar and vinegar. The 'Burgundy' is flavoured with raspberry juice and would commonly be described as raspberry vinegar. There is no alcohol in either sample."

Shops' War-end Decisions.—In the event of Germany's capitulation the following procedure is to be adopted by members of the Liverpool Stores' War Problems Committee: If the "end of the European war" announcement is made during business hours, stores will close immediately, leaving skeleton staffs to man the buildings. If the announcement is made overnight, stores will be closed during the whole of the next day. Cardiff Chamber of Trade has recommended its members to close their shops for one day in the event of the European war finishing shortly.

Presentation After Twenty-one Years' Service.—The completion by Mr. A. de V. Leigh, M.B.E., M.A., of twenty-one years as secretary of the London Chamber of Commerce was mentioned by Major-General Sir Evan Gibb in his presidential address at the annual meeting of the Chamber recently. Many members suggested that the occasion should be suitably recognised, and a committee consisting of the honorary officers was formed to give effect to the suggestion. A fund was opened, but it is intended to close the list of contributors early in October. Names of the contributors are to be inscribed in a book which will be given to Mr. Leigh at the time of the presentation. Further information will be made available in due course. It should be noted that Mr. Leigh is not retiring from the secretaryship.

Nottingham N.P.U. Appeal for Unity.—The secretary of the Nottingham Branch of the National Pharmaceutical Union has sent a letter of appeal to members to assist in bringing about unity in all sections of pharmacy. The letter quotes the following resolution, which was sent to, and later approved by, N.P.U. headquarters in July: "That efforts should be made to create unity amongst all sections of pharmacy, whose responsibility it is to conduct an efficient dispensing service under the new health scheme, and that representatives of all those bodies shall be elected to negotiate new terms with the Ministry of Health." A copy of this resolution was forwarded to the secretary of the Pharmaceutical Society and the secretary of the joint pharmaceutical committee. The secretary of the Society sent the following reply: "The Council ask me to say . . . that it is felt desirable at the present time that the membership of the joint pharmaceutical committee shall be confined to representatives of the Society, the N.P.U. and the Pharmaceutical Standing Committee for Scotland, but that they contemplate that the joint pharmaceutical committee shall, as necessary, consult other sections of pharmaceutical opinion." This reply was considered unsatisfactory, and N.P.U. headquarters was advised accordingly. It was then suggested to the Pharmaceutical Society by the N.P.U. "that a committee, including company and hospital representatives, should be appointed, having authority to act on behalf of pharmacy as a whole, on the kind of service to be given and also upon what terms." The Society considered this proposal "a derogation of its authority."

Works Visit.—Some fifty members of the West Ham and Eastern District Association of Pharmacists visited the Dagenham works of May & Baker, Ltd., on September 7. Departments seen included the biological laboratories and animal rooms; tablet and ampoule sections; chemical control laboratories (where several volumetric, gravimetric and colorimetric determinations were in progress); ether, mepacrine, and thiazamide shops. Every stage in the manufacture and purification of a sulphonamide was witnessed. Members were entertained to tea by the directors of the company, and Mr. E. V. Thomas, in a speech of welcome, stressed the affinity and common interest between retail pharmacists and a manufacturing firm of the scope of May & Baker, Ltd. Mr. W. Cloud (president of the Association) and Mr. J. Reed (treasurer) responded.

Birmingham Analyst's Report.—The report of the city analyst for the second quarter of 1944 states that samples of 106 drugs were taken and nine were found to be faulty. A sample of cod-liver oil was found to contain 60 per cent. of castor oil, owing to an error on the part of the wholesaler's fillers. A proprietary formalin tablet was found to contain 1·4 per cent. of formaldehyde, although the label stated 0·87 per cent.; the excess was attributed to an employee of the firm who had reinforced the sample, thinking it was weak. Another sample of formalin tablets contained only 0·78 per cent. of formalin, although the label stated 1 per cent.; the stock was withdrawn from sale. Two samples of lysol contained only 43 per cent. w/w cresol, and the label did not bear the name and address of the retailer, nor was he a "listed seller." A sample of petroleum emulsion contained only gr. 4·4 hypophosphites per oz., although the label stated gr. 9·05. A badly mixed sample of sulphur ointment was found to contain 19 per cent. excess of sulphur. No prosecutions were instituted.

LEGAL REPORTS

Morphine Possession Charge.—At Highgate, London, recently, Edith Miles, Ballards Lane, Finchley, was committed for trial at the Old Bailey on a charge of being in unlawful possession of a quantity of morphine tablets.

False Trade Name.—At Festiniog police court, on September 14, the Quinine Bitters Co., Swansea, was fined £10 with £11 15s. costs, for using a false trade name. The prosecution claimed that a bottle of "Gwilym Evans quinine bitters" contained no quinine, and the label was likely to mislead the public. The medicine purported to relieve stomach and liver troubles and other ailments. At one time the medicine contained quinine. When the formula was changed, the label was not altered. Defendants said that the name was a trade mark, and Isaac Rowland James, J.P., a partner in the firm, said that there was no intention to mislead. A substitute for quinine had been used for a period, but manufacturing ceased before this case started.

Unauthorised D.D. Prescriptions.—At Stirling sheriff court, on September 15, Dr. David Davidson Watson, 3 Hamilton Park Avenue, Glasgow, pleaded guilty to having, between February and May, after having had his authority to prescribe dangerous drugs withdrawn by the Secretary of State, signed eight prescriptions for his own use and seventy-three in respect of patients. Watson also admitted a previous conviction at Hawarden Petty Sessions, Flintshire, in 1931, for a contravention of the Dangerous Drugs Regulations, 1928. The accused said that when the police preferred the charge against him he was startled, because he was under the impression that he was correct in this matter of prescribing. When the statement was read over to him by the police and he had confirmed the facts, he found, unfortunately, that he was wrong. The manual he had consulted had not contained a limitation introduced in 1932. Watson was fined £50, with the option of three months' imprisonment.

Excessive Zinc in Ointment.—For giving a false warranty with castor oil and zinc ointment, Leicesters, Ltd., manufacturing chemists, Burslem, were, at Derby recently, fined £10, with £2 2s. advocate's fee and £1 1s. analyst's fee. The analyst certified that a sample purchased from a Derby retailer consisted of 12·5 per cent. zinc oxide, 18 per cent. castor oil and 68 per cent. unsaponifiable matter. He was of opinion that it contained an excess of zinc oxide equivalent to 67 per cent. of the proper proportion, and that it was deficient to the extent of about 64 per cent. of the proper proportion of castor oil (zinc and castor oil ointment, B.P.C., contains 7·5 of zinc oxide and 50 of castor oil). He considered that the basis of the ointment did not comply with the formula of the B.P.C. since it contained a large proportion of unsaponifiable material. For the defence it was explained that, long before the Codex specified what the ingredients should be, the company sold the mixture as a cream. When the purchase tax was instituted, and the question whether it should be treated as a medicinal product was raised, the description was altered to ointment. The fact that there might be an infringement of the law was overlooked.

Failure to Furnish Return.—At Clerkenwell, London, police court, on September 18, Riceman, Ltd., chemists' sundriesmen, Commonwealth House, New Oxford Street, W.C.1, pleaded guilty to a charge of failing to furnish by July 31 a purchase-tax return for the three months ended June 30. For the Customs and Excise authorities, it was stated that defendants had not been punctual in making previous returns, but no proceedings had been taken hitherto. The reason given had been shortage of staff. The return was eventually made on this occasion on September 16. A payment on account of £1,000 was made, followed by five further payments of £500 each, and on September 16 the balance of £336 7s. 8d. due for the period in question was paid. "I suggest that the reason for payment in this way is not shortage of staff but shortage of cash, and that they have been using public money to finance their business," said the representative of the prosecution. Defendants, he said, were liable to penalties amounting to £570. Counsel for the defence said the managing director was a Czech and not a trained bookkeeper. Some two years ago the regular bookkeeper was called up. Efforts were made to replace him, and eventually a lady was found who did the work at home in the evenings. On June 20 she was killed by a bomb, and the invoices for the period June 1 to 8 were lost. The books were rescued four weeks later, but the company was left without a bookkeeper, the managing director being left to do the best he could. The defendants were fined £50 and £10 10s. costs.

TOPICAL REFLECTIONS

After Demobilisation

Your concise summary of the conditions of reinstatement in civilian employment (p. 303) suggests a question that I have not, so far, seen or heard in connexion with the prospective release from active service of a proportion of the Forces. That question is: How shall employers get hold of their former employees? The course of events twenty-five years ago is not encouraging. As most of us remember, an armistice was declared on November 11, 1918. Exactly two months later you pointed out that soldiers on leave from France and Belgium had been promised that "if whilst on leave they could produce satisfactory evidence that a situation was waiting for them they need not return to the Army but would be demobilised forthwith." For a time "it looked as though someone had cut through the red tape which is strangling the efforts of the fourteen Government departments concerned with demobilisation." But during the week in which your comment appeared the War Office had changed its mind, and had announced that demobilisation of the officers and men referred to was to cease as soon as the necessary instructions could be given. We were left to conjecture what the reactions (if any) of the other thirteen departments were. Anyone wishing to pursue this subject may turn to your issue of March 29, 1919, in which nearly a column (equivalent to nearly a page of your present size) is filled with official definitions of pivotal men, slip men and contract men, and with cognate terms. It seems unlikely the supply of the demobilised yet equals the demand.

Feeding-bottle Teats

Editorial comment on the shortage of feeding-bottle teats (p. 302) sums up the situation so comprehensively that little needs to be added. It is very strange—to use a mild expression—that when public attention is being directed to the urgency of the problem of increasing the country's birth-rate there should be what may be called a feeding-bottleneck in the supply of these teats. Though there is no reason to doubt the statements made in Parliament on June 20 and July 5 to the effect that additional raw material has been released for manufacturers, it is only too clear that the quantities are insufficient or that they have gone astray. If it is true that public authorities, or some of them, are able to obtain supplies of these goods for distribution at welfare centres, while chemists are harassed by expectant customers who have to be turned away, this state of affairs must be called disgraceful. Just before reading your remarks I had seen the following criticism made by Lord Hollenden in a presidential address to an export group of wholesalers: "The Board of Trade appears to be obsessed with the fetish of bulk business and directed selling and buying . . ., but surely at this stage of the war a place should be found for the individual and the specialist within the framework of the Government's export policy, without casting any great strain on the supply, man-power, or shipping position of the country." Though spoken in a different connexion, the words seem relevant to your subject.

Toothache Applications

Oil of cajuput, mentioned on p. 311 as a palliative for toothache, is, I believe, seldom asked for at the counter. The "literature" of this ailment, if collected, could make a substantial volume. It is noteworthy that whereas Greek medicine was, so far as the evidence goes, largely independent of magic, the Dark Ages were marked by revivals of primitive superstitions. A few examples of Saxon treatments for toothache, consisting of applications supported by charms (or vice versa) are given in "Chronicles of Pharmacy." In the Middle Ages the medical element began to prevail over its partner: a Welsh manuscript of the thirteenth century directs (Pughe's translation) the use of betony, self-heal, birthwort or thorn-apple in cases of toothache. A mid-nineteenth century selection of "essences" and other liquid preparations for odontalgia—using that word in a general sense—includes several containing opium, chloroform, or both, and a few with creosote as the main ingredient. Among the foreign names attached to some of the formulas that of Boerhaave is familiar; but who were Pieste, Cottereau, Lemazurier and Righini? The selection is followed by four pastes or "masses odontalgiques," three of which contain opium; these, in their turn, lead to thirteen dental stoppings. A mention of the old-time fumigation with henbane seed is accompanied by directions, and ends with the statement that Dr. Downing's Aneuralgicon "would probably prove a more effective means of applying remedies of this kind." Is this apparatus still known?

Xrayser

COMPANY NEWS

MacManus & Co., Ltd. (P.C.).—Capital £500. Pharmaceutical chemists, druggists, etc. Mrs. Rose MacManus, Market Street, Trim, co. Meath, director.

Phoenix Pharmaceutical Laboratories, Ltd. (P.C.).—Capital £200. Manufacturers of and dealers in pharmaceutical preparations, etc. R.O.: 60 Brewery Road, London, N.7. Directors to be appointed.

Dolphin Firelighter Co., Ltd. (P.C.).—Capital £1,000. Manufacturers of and dealers in firelighters and fuels, etc. E. H. Kempe, N. O. Quibell, E. D. Kempe and A. E. Pargeter, directors. R.O.: Dolphin Works, Dolphin Road, Shoreham-by-Sea.

Minerva Mouldings, Ltd. (P.C.).—Capital £5,000. Manufacturers of and dealers in chemical substances, natural and synthetic plastics, etc. John G. Statter, Gordon S. Marston, and Stephen L. Forwood, directors. R.O.: 82 Victoria Street, London, S.W.1.

C. Bradbury (Drugs), Ltd. (P.C.).—Capital £1,000. Manufacturers of and dealers in medicinal, chemical, industrial and other preparations, etc. George G. Watts, M.P.S., governing director. Solicitors: Rich & Hughes, 211 Streatham High Road, London, S.W.16.

Saxworth Manufacturing Co. (Southport), Ltd. (P.C.)—Capital £1,000. To acquire the business of brush manufacturers and dealers carried on at Southport as the Saxworth Manufacturing Co. William and Annie Robinson, directors. R.O.: 19 Hoghton Street, Southport.

George Sanders (Toilet Goods), Ltd. (P.C.).—Capital £2,000. To acquire the business of a manufacturer of toilet goods and requisites carried on at 169 Seven Sisters Road, London, N.7. George L. and Winifred R. Tsoundas, directors. R.O.: 521 Caledonian Road, London, N.7.

Imperial Chemical Industries, Ltd.—An interim dividend of 3 per cent. on the ordinary capital is being paid in respect of the trading year to December 31, 1944.

Eucryl, Ltd.—Profit for the year ended December 31, 1943, amounted to £35,396, against £23,762 in the previous period. Net profit, £9,496 (£4,541). To interim dividends 5 per cent., £1,724 (same); further dividend on preferred stock at 7 per cent., £1,312 (same); and on deferred at 10½ per cent., £1,599 (same); bonus on preferred, sixpence per £1 share (nil); and on deferred, 7·15d. per share (nil), £1,875; forward, £3,325 (£2,464).

First and Final Dividend.—John Smith, M.P.S., The Kennels Cottage, Cragside, and Town Foot, Rothbury, Northumberland: 2s. 4d. in the £, payable September 22.

Voluntary Winding-up.—A general meeting of members of the Kennington Pharmacy, Ltd., held on August 12, passed a resolution that the company should be voluntarily wound up, as its assets and goodwill have been disposed of.

COMING EVENTS

Saturday, September 23

Guild of Public Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 3 p.m. Meeting to inaugurate a London branch.

Sunday, September 24

Manchester Pharmaceutical Association. Ramble round Grindleford. Meet Central Station, 8.30 a.m. Inquiries to W. Edwards, Old Trafford.

Wednesday, September 27

Institute of Welding, Institution of Civil Engineers, Great George Street, Westminster, London, S.W.1, at 6 p.m. Presidential address.

Thursday, September 28

Newcastle Branch of the Pharmaceutical Society, Crown Hotel, Clayton Street, Newcastle-on-Tyne, at 7.15 p.m. Mr. D. G. Ardley on "The Chemotherapy of Bacterial Infections."

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.2, at 7.30 p.m. Special meeting to discuss a motion by Messrs. W. Atkinson and T. Reid urging an alteration in the procedure for calling the annual meeting of the Society.

C. & D. QUIZ, NO. 37

1. By whom was the present system of chemical notation introduced?
2. When was buchu first introduced into English medicine?
3. What is the derivation of the word saffron?
4. Who said, "To the end of my life, I shall be the dupe of this desire for progress"?
5. Who discovered phenol?
6. Why is selenium so called?
7. What is liquor antisepticus?
8. What is khat?
9. What is balsam of fir?
10. By whom was the Society's presidential chair given?

(*Answers on p.* 338)

TRADE NOTES

Irish Moss.—Hiney & Mooney, 487 North Circular Road, Dublin, invite inquiries for carrageen (chondrus) of standard quality.

Drug Sales in Ceylon.—Maurice Roche, Ltd., P.O. Box 61, Colombo, Ceylon, invite offers of chemicals, drugs, sundries, patent medicines, essential oils, etc. An announcement appears in this issue.

Optical Sundries.—Luminos, Ltd., 45 Belsize Lane, London, N.W.3, offer Lumicraft spectacle frames in a variety of shapes and styles. Details are included in an announcement in this issue.

A Popular Lung Syrup.—Ashley & Weeks, Ltd., 165A Mitcham Road, London, S.W.17, urge dealers to replenish stocks now of Dr. Macaulay's original (1830) family lung syrup, in readiness for the winter.

Price List.—The August 1944 price list of pharmaceutical specialities of Ciba, Ltd., Horsham, Sussex, is now available. A supplementary sheet gives prices of a newly-introduced speciality, lipoidine-Ciba tablets, gr. 5, which are issued in tubes of twenty and bottles of 100.

Egyptian Medicinal Herbs.—Simon C. Cohen, 70 Azhar Street, Cairo, Egypt, invites buyers of henbane, stramonium, colocynth pulp, senna leaves or pods, henna, or mint, to apply for telegraphic quotations. The telegraphic address is given in an announcement elsewhere in this issue.

Alkaline Analgesic.—International Laboratories, Ltd., Charlbury, Oxford, direct attention to the formula of Neodex Seltzer, which they describe as an analgesic alkaliser, and a unique preparation for headaches, digestive troubles and many types of rheumatic and neuralgic pains.

New Pack.—To meet a temporary bottle shortage, Selto dental salt is being marketed by the makers, Andrews Dental Co., Hampden Park, Eastbourne, in a new pack. The makers state that all wholesalers can supply, but if any difficulty is experienced in obtaining supplies retailers should write direct, stating the wholesaler preferred.

Dandruff Treatment.—Nodan, a treatment for dandruff, seborrhœa capitis, etc., is being distributed by Fassett & Johnson, Ltd., London. The preparation is packed in minimum 1-doz. quantities and is being advertised in the national and provincial Press. Publicity is also to be given in 500 cinemas in the near future. Particulars of an introductory bonus offer may be obtained from the distributors.

Histamine Azoprotein.—Recent work suggesting that histamine released from tissue cells by an antigen-antibody reaction plays a fundamental rôle in anaphylaxis and allergy has prompted Parke Davis & Co., 50 Beak Street, London, W.1, to introduce, under the name Lertigon, an antigenic complex in which histamine is combined with despeciated horse-serum globulin. The product is available to the medical profession in 5-c.c. vials.

Effervescent Pick-me-up.—Joseph Lingford & Son, Ltd., Bishop Auckland, co. Durham, have launched a new product, Lifo-Seltzer, which is being distributed to chemists through S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts. Messrs. Lingford point out that they carried out numerous experimental tests over a period of seven months before they were satisfied with the formula. Among those who gave advice on the product were several public and private consulting analysts, doctors, chemists, hospitals, research associations, and members of the general public. The formula has been devised to provide a mild saline and general tonic for the stomach and nerves, and the preparation is issued in tins containing 5½ oz., with waxed "liner" bag to give added protection. The product has a grape-fruit flavour.

Business Changes

BANO ARBIB, merchant, has removed to 64 West Smithfield, London, E.C.1.

MR. PATRICK J. LEAHY, Ph.C., has opened a pharmacy at 60 Upper Dorset Street, Dublin.

HALLER & PHILLIPS, LTD., have removed temporarily to Bellmount, Wood Speen, nr. Newbury, Berks.

GENERAL ADVERTISING CO., OF LONDON, LTD., have removed to 36 Victoria Street, London, S.W.1. Telephone: Abbey 6713.

MR. G. R. GUEST, M.P.S., has taken over the branch business of Mr. C. M. Corwen, 49 Leicester Road, Higher Broughton, Salford.

R. DEMUTH, LTD., have removed to Mavins Court, Farnham, Surrey. Telephone: Farnham 5194. Telegraphic address: Boulbene, Farnham, Surrey.

MARRIAGES

FOYE—DAVIDSON.—At Shankill Parish Church, Lurgan, on August 31, Robert Alexander Foye, M.P.S.N.I., to Maureen Florence Davidson, B.A., Lurgan.

MCHUGH—REYNOLDS.—At St. Canice's Church, Kilkenny, recently, Desmond P. McHugh, M.P.S.I., Park House, Athy, co. Kildare, to Eileen Reynolds, Kilkenny.

O'BRIEN—FOGARTY.—At the Church of the Holy Name, Beechwood Avenue, Ranelagh, Dublin, on September 12, Frank O'Brien, Dublin, to Kathleen Fogarty, M.P.S.I., Dublin. Miss Fogarty was a lecturer in pharmacy to the Pharmaceutical Society of Ireland for many years, and only recently resigned from the post in view of her forthcoming marriage.

PRITCHARD—BUTTERWORTH.—At St. John's Methodist Church, Royton, Lancs, on September 9, John Pritchard, son of Mr. Charles Pritchard (a representative of James Woolley, Sons & Co., Ltd.), to Marian Butterworth, Royton.

DEATHS

ALLEN.—At the Old Rectory, Thorne Yeovil, on September 15, Mr. Edwin Allen, chairman, John Richardson & Co. (Leicester), Ltd. Mr. Allen had completed sixty-two years' service with the company. He started his career as an apprentice and rose to be, first, senior representative, and later managing director, taking over the office of chairman of the company in 1938. He is survived by his widow and two married daughters, both of whom are doctors.

GREGORY. — On September 12, Mr. William Gregory, M.P.S., 8 Silver Birch Avenue, Fulwood, Sheffield, 10, a director of G. T. W. Newsholme, Ltd., manufacturing chemists, High Street, Sheffield, aged fifty-three. Mr. Gregory qualified in 1913. He had been connected with the company for thirty-one years. He leaves a widow and one son.

O'HARE.—At St. Leonard's, Warren Point, co. Down, on August 27, Mr. John Joseph O'Hare, Ph.C. (a son of Mr. Charles Stanislaus O'Hare, M.P.S.N.I., Warren Point), aged thirty-six. Mr. J. J. O'Hare is survived by his widow and two sons.

O'SULLIVAN.—At the Pharmacy, Percival Street, Kanturk, co. Cork, on September 12, Mr. Denis H. O'Sullivan, M.P.S.I. Mr. O'Sullivan, who had been in business in Kanturk for many years, qualified in May 1895.

RAMSAY.—On active service during August, Private Walter Robertson Ramsay, M.P.S., Black Watch, 4 Bruce Road, Arbroath, Angus, aged twenty-seven.

RIPPIN.—At Southend Hospital, on September 17, following an operation, Mr. Joseph Harold Rippin, aged fifty-eight. Mr. Rippin joined The British Drug Houses, Ltd., in 1928, and served the company for sixteen years as drug buyer. Prior to that he was for about nineteen years with Burroughs Wellcome & Co., and later with Marshall, French & Lucas, Mincing Lane.

SCOTT.—On September 9, Mr. Arthur Scott, 54 Falsgrave Road, Scarborough. Mr. Scott qualified in 1910. He served terms of office as secretary of the Scarborough Pharmacists' Association and National Pharmaceutical Union Branch, chairman, local branch, Pharmaceutical Society, and secretary of the North Riding Pharmaceutical Committee and local pharmaceutical war committee.

TURNBULL.—On September 2, Mr. Charles Stevenson Turnbull, M.P.S., 100 Alexandra Park Road, Muswell Hill, London, N.10, aged sixty-nine.

WAUGH.—At 73 North Circular Road, Dublin, recently, Mr. John Bennett Davidson Waugh, aged eighty-two. Mr. Waugh qualified as a Licentiate of the Pharmaceutical Society in 1886, and had been in business in Cork and Limerick for many years before removing to Dublin.

PERSONALITIES

MR. J. REED (treasurer, West Ham and Eastern District Association of Pharmacists) recently entered upon his sixty-first year in retail pharmacy.

MR. JAMES D. OGG, 17 South Esk Place, Ferryden, Montrose, has been awarded the Duncan medal for the best student of the year in the pharmacy classes at the Heriot-Watt College, Edinburgh.

WING-COMMANDER M. T. MAW (a director of S. Maw, Son & Sons, Ltd., New Barnet, Herts), who was recently awarded the Distinguished Flying Cross, is reported missing from air operations over Germany in mid-August.

MR. ERNEST LINTON, M.P.S.N.I., a director of S. Connor & Sons, Ltd., chemists, Newry, co. Down, has been appointed a Justice of the Peace for the county. Mr. Linton is a native of Castlewellan, and served his apprenticeship with J. & J. Haslett, Ltd., Belfast.

DEPUTATION TO LEEDS CITY COUNCIL

THE Health Committee of the Leeds City Council on September 20 received a deputation from the Leeds and District Branch of the Pharmaceutical Society, in which the notes, arguments and suggestions set out below were put forward by the spokesmen. The deputation was the outcome of a memorandum sent to the Lord Mayor and members of the Health Committee in September 1943.

No pharmacists are employed in the Leeds City Hospitals. Dispensing is done by ladies holding the certificate of the Apothecaries Hall as "Assistants in Dispensing." Such dispensers are qualified to dispense only under the supervision of a medical officer or pharmacist. The City's Health Committee is "in sympathy with the suggestion that pharmacists should be employed in the major hospitals." The qualification of a pharmacist is a statutory one granting him the right to dispense all medicines including "dangerous drugs" as defined in the Dangerous Drugs Act, 1920. Pharmacists are so employed in most of the municipal hospitals in the country and in all the larger voluntary hospitals.

Arguments for Employing Pharmacists

The appointment of pharmacists, the deputation argued, would relieve medical officers of the responsibilities of supervising dispensing and of being in charge of "dangerous" drugs. It would enable small-scale manufacture to replace the buying, as at present, of simple preparations, thus effecting economy. It would provide a source of information for medical officers on special treatment with and dosage of new products arising from medical and scientific research. It would enable the major hospitals to implement the suggestions of the "Report of the Interdepartmental Committee on Medical Schools" for instructing medical students: ". . . , by a pharmacologist and partly by a member of the clinical staff, together with the pharmacist, . . ." Further, the appointment of pharmacists would enable the hospitals to provide instruction for the nursing staffs in those aspects of pharmacy of which they are required to have knowledge; enable research in pharmacology to be more easily carried out; effect economy in buying, owing to the knowledge the pharmacist has of drugs and chemicals; and enable the authorities to accept pharmaceutical students as articled pupils.

Appointments Recommended

The deputation therefore suggested the early appointment of a Chief Pharmacist, whose first duty would be to initiate and develop a complete pharmaceutical department at St. James's Hospital. This step should be followed by the appointment of a Deputy Chief Pharmacist and of Assistant Pharmacists, the later appointments being available to pharmacists demobilised from the Forces. The requirements for the Chief Pharmacist would demand an older and more experienced pharmacist with good administrative abilities, it was urged.

SULPHADIAZINE AND CEREBROSPINAL MENINGITIS

THROUGH the use of small amounts of sulphadiazine, the U.S. Army has reduced its mortality rate attributable to cerebrospinal meningitis to less than 3 per cent. Working under the Preventive Medicine Service of the Office of the Surgeon-General, a research group discovered that the meningococcus which causes the disease is highly susceptible to sulphadiazine in amounts of 2–6 gm. The bacterium causing the infection is present in the throats or noses of most individuals, it was discovered, and tests indicated that as little as 2 gm. of the drug eliminate the bacteria for a period of several weeks.

Of one hundred soldiers tested in experimental work, ninety-two showed presence of the germs on several occasions during the test period of sixty-eight days. None was sick, apparently because the majority have an immunity to the infection. It is only when large numbers of men, some immune, some not, are thrown together, as in military camps, that epidemics occur. In 1887, a French scientist identified the meningococcus as the cause and described the symptoms, but in 1898 the infection was still confused with other fevers. In the 1914–18 war, the U.S. Army Medical Department had the diagnosis well outlined and the figures for the first time became reliable. At the same time better preventive medical techniques kept the infection under control. Nevertheless, there were 5,839 cases reported in the armies of 1917 and 1918, and 2,279 men died of it—a mortality rate of 39·2 per cent. The current low incidence and low death rate offer the possibility of complete defeat of the infection.

EIRE PHARMACEUTICAL COUNCIL ELECTIONS

In the election for seven seats on the Council of the Pharmaceutical Society of Ireland the following ten candidates were nominated when nominations closed on September 18: Sir Thomas Robinson, Dublin; Messrs. M. J. Kieran, Drumshambo, co. Leitrim; and D. W. P. Boyd, Dublin (existing members of the Council, who retire by rotation and are seeking re-election); Messrs. F. X. Meagher, Dublin; P. F. McGrath, Dublin; G. C. O'Neill, Blackrock, co. Dublin; and Peter J. Fullam, Naas, co. Kildare, who are going forwardto gether as a panel of four; Messrs. N. A. P. McKane, Ballina, co. Mayo (representative of the Mayo Pharmaceutical Association); Maurice Power, 129 O'Connell Street, Limerick (put forward by pharmacists in the Limerick area); and William Power, Castletownbere.

The following are short biographical notes on candidates in the election for seven seats on the Council of the Pharmaceutical Society of Ireland:—

BOYD, Donald W. P.—For some twelve years Mr. Donald Boyd (Boileau & Boyd, Ltd., Dublin) has been ably representing the interests of Irish pharmaceutical and drug manufacturers on the Council. Recently he was complimented by the Council on an article he had published in The Chemist and Druggist in which he urged that special provision should be made for training young Irish chemists entering the manufacturing side of the trade. A Fellow of the Chemical Society, Mr. Boyd says he would like to see the whole scheme of pharmaceutical education in Eire modernised so that the student might become familiar with all the glandular, hormone, and other preparations now so much in use. He would also favour a course in bacteriology for pharmacy students. For a considerable period Mr. Boyd has represented the Society on the advisory committee set up by the Government in connexion with the Therapeutic Substances Act, and has rendered notable service in protecting the interests of pharmacy generally throughout the country.

FULLAM, Peter Joseph.—Amongst the younger generation of provincial pharmacists, Peter Fullam, Naas, co. Kildare, is one of the most desirable of candidates to come forward. Belonging to this famous "short-grass" county, in which racing and the raising of bloodstock are prime industries, Mr. Fullam is himself a keen sportsman and lover of horses. This is reflected in the fact that he has one of the biggest veterinary businesses in the country. Mr. Fullam served his apprenticeship with Mr. Ed. McManus, at Chapelizod, co. Dublin, and subsequently served in leading provincial pharmacies before qualifying just a decade ago. At his first attempt for the Licentiate examination he passed through "with flying colours," securing first place with honours. For several years now he has been carrying on a flourishing business in Naas, and is fully conversant with the problems and difficulties confronting chemists in rural Eire, especially the growing problem of non-qualified traders handling chemists' goods. He feels that the viewpoint of the country chemist should be constantly put forward not only to the Council, but also at committee meetings of the Society. He is a young man of energy and fine capabilities, who is particularly well qualified to speak on the veterinary side of the chemist's business.

KIERAN, Michael J.—A deservedly popular co. Monaghan man, Mr. Kieran comes of a strong pharmaceutical family and has given some seventeen years' continuous and sterling service to the Council. When the first Pharmacy Bill was mooted over twelve years ago, no one worked harder to secure provisions which would do justice to both chemists and registered druggists. In the work of the consultative committee he was again to the fore during the past two years, with proposals for effecting an equitable and fair solution of the question. If his recommendations are embodied in the new legislation they will effectively bridge the gap between the two sections in the drug trade in Eire. Mr. Kieran served his apprenticeship in pharmacy with

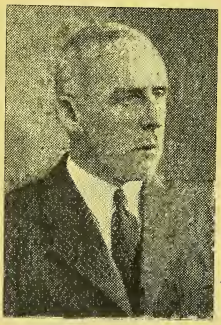
his brother, Mr. Patrick Kieran, at Ballinamore, co. Leitrim. His wife and a sister are also pharmacists. In his outlook at Council meetings Mr. Kieran has shown that he is keenly interested in the welfare and advancement of pharmacy as a whole. Despite travel difficulties, and the fact that he lives so far away from Dublin as Drumshambo, co. Leitrim, he has a record of attendance at Council meetings that few can better. For Mr. Kieran, each attendance means three days away from home, which is certainly a considerable sacrifice in order to fulfil his duties to the electors who sent him to Mount Street. In his home town he has proved himself a worthy citizen by his work as a local Security Force leader, and in the ranks of the Irish Red Cross.

McGRATH, Patrick F.—Better known amongst his many friends in pharmacy as Frank, Mr. McGrath hails from Tipperary, and entered the profession through an apprenticeship served at McMahon Day's, Limerick. From Limerick he passed on to pharmacies at Harold's Cross, Dublin, and Boyle, co. Roscommon, securing his Licentiateship in July 1925. Three years later he opened his own pharmacy at Oxmanton Road, Dublin, and in 1935 enlarged his activities by opening an attractive branch pharmacy in O'Connell Street, which has become one of the foremost photographic establishments in Dublin. Few men have a finer record of achievement in the Irish Drug Association. He has given twelve years' unbroken service on its committee, was vice-president in 1937, and president during the difficult war years of 1938–40. Concurrently with his work for the I.D.A., he has also been an active and capable member of the Photographic Dealers' Association's Eire Committee, particularly in its important work of protecting the interests of photographic dealers against price-cutting in D. and P. work.

McKANE, Neil Archibald Patrick.—Mr. McKane comes forward for election as the standard-bearer of the Mayo and Sligo Pharmaceutical Chemists' Association. A native of Ballina, co. Mayo, he served his apprenticeship with his father, the late Mr. W. J. McKane, M.P.S.I., and then removed to Dublin, where he served for some time in the pharmacy of Mr. S. T. Smith, Terenure, following which he qualified in January 1936. In the same year he took over the pharmaceutical business of his father in Ballina, and has carried it on since. When the Irish Drug Association developed into an all-Eire body, and set about organising local Associations, Mr. McKane, as secretary of the Mayo Pharmaceutical Association for three years, did excellent work in organising the chemists of that part of Connaught. The Mayo chemists' body helped to create an organisation of chemists in Sligo, and their aim is to bring about the formation of a Provincial Association for Connaught after the war. "The aim of our Association," writes Mr. McKane, "in contesting the pharmaceutical elections is to get into closer touch with the Society, and with our *confrères* in the city. We do not desire to make any big promises, but I feel that our Association's record speaks for itself."

MEAGHER, Francis X.—A native of Dublin, Mr. Meagher entered pharmacy some twenty-six years ago when he began his apprenticeship at Graham's Medical Hall, Westmoreland Street. After qualifying in October 1924, he gained further experience as a Licentiate in Cork and Dublin before opening his present fine pharmacy at Upper Baggot Street, Dublin. For ten years he has been one of the most active and valued members of the committee of the Irish Drug Association, in which body he has served terms as vice-president and president. As a member of the consultative committee which framed the outlines and principles upon which a new Pharmacy Bill is being sought, Mr. Meagher contributed many progressive

ideas. In the social life of the profession he is a brilliant figure, and he is held to be the wittiest extempore speaker in Irish pharmacy today. In age just over the forty mark, Mr. Meagher is keenly interested in everything pertaining to the interests of the young people in the profession, and as president of the Chemists' Rugby Club he has done much to advance the provision of much-needed sporting and recreational facilities. In the industrial sphere he has also done a great deal to encourage the growth of native pharmaceutical production.



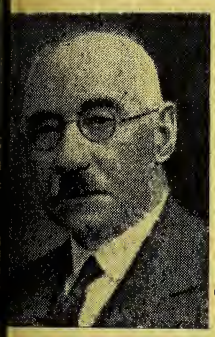
O'NEILL, Gerald C.—Gerry O'Neill belongs to what one might call the young and progressive school of pharmacists in Eire today. He is a native of Dungannon, co. Tyrone, and when he crossed the border to serve his apprenticeship with the late Mr. Tim Costelloe, at Drumcondra, Dublin, he brought with him the go-ahead thoroughness and sound business ability associated with the North. In 1930 he qualified as a Licentiate of the Pharmaceutical Society of Ireland, and a year later opened the attractively fronted modern pharmacy in Blackrock's main street that bears his name. Always intensely interested in improving the status of pharmacy, Mr. O'Neill was early sought after to fill a place on the Irish Drug Association executive committee, where he has certainly proved his worth. This year he was elected vice-president of the Association. In due course he will no doubt proceed to the presidency. In one particular field he has rendered signal service to his *confrères*—upon the Benevolent Fund dance committee. As its first chairman, Mr. O'Neill set a high standard of achievement which has not been departed from. Owing mainly to the foundation work he put in then, the Benevolent Fund has yearly benefited by handsome donations after each dance.

POWER, Maurice.—The candidate of the Limerick Chemists' Association, Mr. Maurice Power, is fittingly a co. Limerick man himself, coming from Feenagh. His apprenticeship was served with Mr. J. Mangan, Ph.C., Tralee, following which he transferred to Dublin and served in the pharmacy of Mr. F. J. Fitzpatrick, Stoneybatter, for two and a half years. He qualified in October 1933, and two years later acquired the business of the late Mr. McNulty at 56 William Street, Limerick. In 1940 Mr. Power opened a second pharmacy at 129 O'Connell Street, Limerick, under the name of Power & Mangan. In an address to members, the Limerick and District Chemists' Association states, urging their support for Mr. Power's candidature: "We consider that the time is long overdue for appointing a full-time inspector for the prosecution of the Poisons and Pharmacy Acts against unqualified traders specifically. We advocate a general survey by the Pharmaceutical Society of the granting of licences under the 1908 Act to agricultural and horticultural traders. We feel sure that in many instances the licences are unwarranted in view of the proximity of a chemist. We urge closer co-operation between the Pharmaceutical Society and the Irish Drug Association to work out a speedy solution of the problem of confining the distribution of chemists' lines to chemists. We consider that the present ratio of country members on the Council is not adequate to represent the interests of country chemists. We have chosen our candidate, Mr. Maurice Power, content in the knowledge that he will give you regular attendance and able representation. The importance of picking the seven new members for this election is more vital now than ever, when we realise that these newly-elected members will surely be still on the Council when it comes to deal with post-war problems. It is important that they should be active men each representing a fair proportion of the trade."

POWER, Dr. William.—Dr. Power has been on the pharmaceutical register for

venty-five years, during which time he as been carrying on business at Castle-ownbere, co. Cork. He is going forward n his own initiative, and as an independent. n the Eire Dail elections, independents ave frequently done well, and it remains o be seen how he will fare in the profes-onal election. Certainly, he shows courage n undertaking, in present transport con-itions, to make the arduous journey from astletownbere to Dublin once a month.

ROBINSON, Sir Thomas.—The *doyen* f Irish pharmacy today, Sir Thomas Robinson this month gains the distinction of having been fifty-eight years on the Irish register. Although now almost four-score years of age he still attends at his office in Grafton Street, Dublin, and directs the numerous pharmacies run by his company, Hayes, Conyngham & Robinson, Ltd.



ir Thomas is one of the most regular ttenders at Council and committee meet-ngs of the Pharmaceutical Society, and in ne year 1939–40 filled the office of president ith distinction. By his kindliness, wise ounsel and moderation, and his great ourtesy and charm of manner, he is one f the most highly esteemed members of ne present Council, bringing to the Council hamber a wealth of experience not only n pharmacy, but also in Irish public life nd as a director of several leading business oncerns. The story of his career in Irish harmacy makes an outstanding business omance. He began his apprenticeship vith a Dundalk apothecary so far back as 879. While serving in John Laird's harmacy in Limerick in 1883, the idea ame to Sir Thomas that Medical Halls, vhich then only catered for the 'sick, hould also do business with healthy people, vho outnumbered the sick by ten to one. Ie put this revolutionary idea into practice vhen he acquired his own first pharmacy at Dun Laoghaire (then Kingstown) in 1889, vith the result that today he controls a hain of over twenty large pharmacies in Dublin and district.

Candidates' Circular

The following circular has been issued n behalf of the four "panel" candidates (Messrs. Peter J. Fullam, Naas; Patrick F. McGrath, Dublin; Gerald C. O'Neill, Blackrock, co. Dublin; and Francis X. Meagher, Upper Baggot Street, Dublin):—

"The above four members of the Pharmaceutical Society solicit your vote and influence in the forthcoming Council election. P. F. McGrath, G. C. O'Neill, and F. X. Meagher are seeking election on the grounds that they have had the best possible apprenticeship for a seat on the Pharmaceutical Council, having each had an average of ten years' membership of the Committee of the Irish Drug Association. G. C. O'Neill is vice-president of the Association at the present time, and both P. F. McGrath and F. X. Meagher have occupied the presidency for two years each. They were also the I.D.A. representatives who, together with the honorary officers of the Pharmaceutical Council, composed the joint consultative committee which prepared data for a new Pharmacy Bill. While on that body they gained a considerable knowledge of pharmaceutical legislation, both present and intending. Much of the important work of the Council of the Pharmaceutical Society is delegated by the Council to its four committees. If you examine the Pharmaceutical Society's Calendar you will see that these committees are conspicuous by the entire absence of provincial representatives. This undesirable state of affairs is to some extent unavoidable. Country members of the Council who live long distances from Dublin cannot be blamed if exigencies of travel prevent them becoming members of these important committees. It is the absence of the country viewpoint from the deliberations of these bodies that prompts Peter Fullam to seek election. He is prepared, if elected, living as he does at Naas, only twenty miles from the capital, to become a member of the different Council committees, and to assert at their meetings the special point of view of the country chemist. We all undertake, if elected, to do everything in our power to forward the professional and commercial interests of the chemist."

Penicillin for Canadian Civilians.—Hon. C. D. Howe, Canadian Minister of Munitions and Supply, announced that limited supplies of penicillin have been made available for civilian use, and emphasised that quantities available were not large, and would be subject to strict control of distribution so as to make adequate supplies available for the fighting forces and essential use. The drug is being divided among the larger hospitals on a quota basis, and may be used only for the purpose decided upon by the Medical Advisory Committee on Penicillin of the National Research Council. Mr. Howe said the entire Canadian output of penicillin was being supplied to the armed services. For civilian use in Canada, the Government has purchased a small supply from the United States.

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THE NATIONAL ASSOCIATION OF OPTICIANS
The next Examination will probably be held at Liverpool, on Tuesday and Wednesday, December 12th and 13th, 1944.
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OL. CXLII SEPTEMBER 23, 1944 NO. 3372

he fact that goods made of raw materials n short supply owing to war conditions are dvertised in this paper or described in its ditorial columns should not be taken as an ndication that they are necessarily available or export.

Labelling of Saccharin

ROM inquiries received it seems there has een uncertainty as to the position of accharin under the Labelling of Food rder, 1944 (*C. & D.*, July 22, p. 80, and uly 29, p. 120), made by the Ministry of ood. The Order, which comes into force n January 1, 1945, requires that labels of repacked foods sold by retail shall show he name and address of the packer or the erson for whom the food is packed; the ommon name of the food; in foods containng more than one ingredient, the common or isual name of the ingredients in the order f proportions in which they were used; and he minimum quantity of food in the packge. The doubt in the present instance rose chiefly on the point whether saccharin vould be considered to be a "food" by he Ministry.

We have received the following opinion rom the Ministry in reply to our inquiry n the subject:—

> The definition of "food" contained in the Labelling of Food Order, 1944, specifically includes any "sweetening matter" and saccharin B.P.C. and soluble saccharin, therefore, are regarded as foods for the purposes of the Order.
>
> The labelling provisions contained in Article 2 apply only to prepacked articles of food and would not, therefore, apply in general to saccharin or soluble saccharin in powder form, since they are not normally sold by retail. Saccharin tablets are, however, sold by retail, and when prepacked must be labelled in accordance with the requirements of the Order.

This makes the position of saccharin quite clear, with the powder not liable and the product in tablet form ready for sale by retail liable under the Order.

The ruling does not affect the requirements of the Saccharin Packaging Order that all tablets must be of a uniform strength (0·2 gr. of 550 saccharin) and be issued and sold in packs of one hundred tablets, which came into force in January 1943.

Patulin Fails

THE wonderful success of penicillin in the treatment of many diseased conditions has stimulated work on other metabolic products of the lower fungi (moulds). Many substances have been isolated at the London School of Hygiene and Tropical Medicine, and their antibacterial activity examined. Amongst these the most notable was anhydro-3-hydroxymethylene-tetrahydro-γ-pyrone-2 carboxylic acid, called "patulin," as it was obtained from *Penicillium patulum*. The compound was found to have bacteriostatic powers against a number of gram-positive and gram-negative aerobic organisms. Dr. W. E. Gye, having a severe cold at the time, tested it on himself, and the result so encouraged him that he repeated the test on other members of his staff, again with hopeful results.

Many Tests Required

The tests were repeated at a naval establishment, and 57 per cent. of those treated recovered completely within forty-eight hours, against only 9·4 per cent. of the controls. These results were so attractive that arrangements were made in 1943 by the Therapeutic Research Corporation, Ltd., to manufacture the pure substance. Many further tests have now been made on soldiers, post-office workers and factory workers, but the results have proved extremely disappointing, and patulin seems

destined to take its place, with so many other drugs, in the limbo of forgotten things. The "Lancet" (September 16) gives an account of the tests, which seem to have been carefully carried out against an excellent system of controls, with methods to prevent bias both by patients and investigators. The results of the Army test were that patulin had no more effect than the control, and was of no value. The results on post-office and factory workers are equally disappointing. The tests were made on a large scale from December 1943 to the middle of April 1944, in widely distributed areas, and at two public schools, Haileybury and Rugby. The final report that "No evidence that patulin is effective in the treatment of the common cold" dashes to the ground any hope that may have been entertained of preventing or curing the most widespread, and in some instances most potentially dangerous, of maladies.

The Future of Rubber

INTERESTING comments on the future of the rubber industry come from a special report to the United States War Production Board by the former director of rubber, Mr. Bradley Dewey. Referring to post-war requirements of rubber, Mr. Dewey states that, regardless of whether or not sufficient crude rubber may ever be available to supply the post-war world demand at prices less than the cost of synthetic, he cannot conceive of anyone under any circumstances considering scrapping the low-cost production of synthetic rubber. If this were the case, however, the country would have to decide whether it should subsidise or keep the synthetic plants in good order ready to run.

Post-war Demand

Mr. Dewey thinks the post-war annual demand for rubber will be so large that all the crude rubber as well as some 400,000 to 600,000 tons of synthetic material will be required. He is against the imposition of duties, subsidies or international agreements. The United States, he explains, is today independent of other nations for its supply of rubber, which cannot be affected by wars between other nations or the destruction of plantations by plant disease. Those conditions, he claims, must remain.

The report, which considered pre-wa costs of production for plantation rubbe as well as estimated production costs an sales realisation of both natural an synthetic rubber, also stated that at meeting of the International Rubbe Regulation Committee before Pearl Ha bour, the amount of new planting (exclusiv of Indo-China) in 1939 was reported a 260,983 acres, and in 1940, 146,244 acre a total increase of 407,227 acres during th two years, compared with 431,000 acre expected increase, including Indo-China Yields as high as 2,000 lb. per acre ar considered feasible with high-yield trees.

Time-lag in Costs Reduction

When Malaya and the Netherlands Indie are reoccupied, the report states, it will b at least two years before the average cos of rubber production on estates in thos countries can regain their former lo levels, under the best of circumstances even if the trees are undamaged. They will have unusual expenses and problems of equipment, reorganisation, staffing and training, to increase their costs in the immediate post-war years. The costs, however, of native producers in the Netherlands Indies will be little influenced by the war, and in Malaya their costs will be less affected than costs on estates. Estate costs in Ceylon and Indo-China will be less affected than in Malaya and the Netherlands Indies. The post-war price of natural rubber is expected to be influenced by important variations in post-war exchange rates for the British pound and the Dutch guilder in relation to American currency. The price effect on imported natural rubber might be considerable for a short time while the effect of variations on the cost of domestic synthetic rubber production, in terms of United States currency, might be small for a period of years.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, 17 Argyle Street Bath, Somerset.

BACK TO THE RETAIL AFTER TEN YEARS

A RETURN to retail practice after ten years' absence is bound to be a little bewildering; the writer has st spent the summer as manager of three ops, and sets down his experiences of his st week as a day-by-day diary. The work in a middle-class suburb of a cathedral y, remote from blitzes, and crowded by acuees of all nationalities.

Monday.—Arrive at the shop shortly ter nine o'clock; staff, one qualified sistant, two girls and one errand boy. op large and modern, with ample storage ace, a room being set apart as an office. e dispensary consists of a bench about ft. long and 2½ ft. wide, with a minute k at one end. The only bottles facing the spenser are a row of winchester quarts of ock mixtures, the remainder being to t and right, or at the rear, even quite a urney away in the shop. A masterpiece inefficiency, calculated to call upon the spenser for the maximum amount of fort. Why, in the vast majority of pharacies, is the dispensary a hole-in-the-rner affair? I have found this even in harmacies where dispensing constitutes e main part of the business, yet have en, as a representative, well-equipped spensaries in small village pharmacies.

Resolve to get accustomed to every pect of the business, and to divide my me between the dispensary and the unter. Spend an hour or so wandering ound the stock-rooms. Note many new roprietary items. Remark on the numer of manufacturers who do not price eir products. Do they realise that in ese days of ever-changing staffs assistants ill preferentially sell priced goods? Return shop; the day's scripts have begun to ome in. Prescribing appears to be a lost rt—even the private scripts are for N.W.F. ixtures! One outstanding fact is the vast uantity of alkaline mixtures which are onsumed. Can the high consumption of arbiturates, too, really be necessary in his peaceful town? Amongst the whole ay's prescriptions I find only one written Latin or anything resembling it. In this ase the entire script is written out in full ith a rectitude which would do credit to textbook. The signature is —— M.D., Berlin, L.R.C.P.! Several scripts ignore ven the conventional signs and write, Send eight oz. (of a mixture), and for the lose half fl. oz. t.d.s.; where lengthier nstructions are necessary, plain English s resorted to.

Pricing of scripts is another problem which soon arises, a uniform 1s. 9d. being charged for an eight-ounce bottle, because of the proximity of a multiple concern. Just worked out one on the N.P.U. list basis—2s. 3d. without dispensing fee or bottle! That policy is promptly altered and every script carefully costed. Find also the prescription book is not annotated; no details of whether pills are plain or sugar-coated, whether an ointment is turned out in a pot or box. All those things which help a strange dispenser and make for uniformity in dispensing are missing. Good points: plain bottles are always used and all labels hand-written.

Tuesday.—Lend a hand with making stock mixtures, including mag. carb. lev. and mag. trisil., and in the end can proudly survey a row of filled winchesters, *sec. art.* Now for cold cream, a 28-lb. lot. There is no water-bath of suitable size available, and an enamel bucket has to be utilised. Weigh out the fats and set the pail on the gas ring over a low flame. Go on to the counter to stem a rush. Comment to the assistants on the proximity of a fried-fish shop; this puzzles them, and I rush to rescue my cold cream. Finish the job and set it aside to cool. Resume. The errand boy filling the stock bottle of 880 ammonia misses his aim and makes the dispensary untenable. Rest of day uneventful except for an overheard remark from an old customer, "Is that man the new owner?" I sense an emphasis on the "that."

Wednesday.—My Latinist Berlin M.D. sends in a script for a gross of pills; end up hot and with a blistered palm, but a creditable batch of pills, the first since 1934. The smooth course of business is broken by a traveller. Am surprised to find that I have ordered a whole lot of goods without saying anything other than "Um" of assent to the traveller's questions. Break off to deal with an irate customer demanding teats. Regret we have none above or below the counter. Having apparently made the rounds of all the shops she is annoyed, and threatens to write to an M.P. about it. Am rather amused—how quickly these German refugees have re-adopted the principles of democracy! Now deal with a customer who desires a product that is in such short supply that if we have any we keep it in the safe. She asks if she can have it on producing a prescription. Suggest that a better acquisition would be a magic wand. Never thought I'd see phenol suppositories prescribed;

of course the script would come in when the mercury is almost through the top of the thermometer. Get them perfect with just theobroma and no wax.

Thursday.—Half-day. Start off with an irate customer who flares "I can't understand why I can't get things here; they're obtainable in London." Get a script for a complicated ointment. Wade through it and finish it off just in time to be told that it is prescribed so commonly that they buy it in 14-lb. lots. Am horrified to see they buy sol. ferri et ammon. cit.! Carrier brings in a consignment of a toilet preparation; put it on show and start a near-riot.

Friday.—The toilet preparation (a hair cream) rush starts again, and the supply is sold out, but still customers think there's some under the counter. What is one to do for the best? Last days of soap ration period bring about a day-long rush until we are cleared. Treat dog bites on children, who now know it isn't wise to tease a bull terrier. The daily irate customer appears. Wants cyanide for a wasp's nest, objects to the normal legal procedure. Assures n that he has bought it often before, but ca find no records in the book. No sale. A annoyed by another German refugee wh seems to have absorbed the rather haught manner of a section of the local resident She doesn't like the soap on display insists on seeing every other variety w have, and occupies half the counter whil she smells them and asks her companion opinion. Finally buys the first kind. Mu be pay-day at the local factory! I've nev seen so many large wads of treasury note Begin to think I'm in the wrong business

Saturday.—Apparently there is a ski clinic locally, for I seem to dispense ever known dye, and numerous messy ointment Treat a wasp-bite. Slight difficulty ove the local dialect, for I serve a woman wit All-bran, and it turns out she wante L-brand baby food. Weigh half a doze babies. Cavil at selling a bottle of adren line solution without a script, but am force against my better judgment to make th sale. As in the past, Saturdays seem to b still the days for cosmetics.

PREVENTION OF MEASLES EPIDEMICS

A NEW and effective method for the prevention of epidemics of measles has been developed by a group of leading American medical scientists carrying on researches for the Preventive Medicine Service of the Office of the Surgeon-General of the U.S. Army. The new method was revealed by Dr. Francis G. Blake. The material used in the treatment is a protein separated from blood plasma and known as gamma globulin. Because it contains the so-called antibodies which destroy the germs of measles, it will, in most cases, prevent an exposed individual from developing the disease.

Origin of the Work

The new method is the result of more than a year's work by the Commission on Measles and Mumps, and developed from the fundamental studies on blood plasma carried on by Dr. Edwin J. Cohen at the Harvard Medical School. Dr. Cohen succeeded in separating blood plasma by chemical means into its various fractions or components. One of these is the so-called gamma globulin. Studies showed that all of the so-called antibodies in the blood were concentrated in this fraction. These antibodies are the chemical entities which establish a person's immunity after a particular contagious disease. Since the blood which is collected for plasma comes from persons who have established im munity against many contagious diseases the gamma globulin contained in thi plasma is, in effect, a vast treasure-hous of antibodies against many diseases—no only measles, but diphtheria, scarlet fever typhoid fever, etc. The Commission o Measles and Mumps, however, has been con cerned only with the investigation of th use of gamma globulin as a preventive o measles. Most of the work was done i Army camps, but one significant study wa carried on during an outbreak of measle at a girls' college in the East. Wher measles broke out in a sharp epidemic a this college, gamma globulin was given t sixty-seven exposed students who had n previous record of measles, and who there fore were susceptible to it. It was not giver to thirty-eight other susceptible students Only one case of average measles developed in the group of sixty-seven students treated.

Dosage

The gamma globulin is injected into a muscle with a hypodermic needle. Studies by the commission have established the proper dosage. For a child between the ages of six months and six years, the proper dose is from 1·5 to 2 mils. For a child aged six to twelve years the dose is 4 to 5 mils. For adults the dose is 8 to 10 mils.

IANCHESTER'S N.H.S. QUESTIONS ANSWERED

LARGE audience met Mr. Hugh N. nstead (secretary of the Pharmaceutical ciety) at Manchester recently when addressed the local Pharmaceutical sociation and Branch on "The Pharma- t and the National Health Service." Mr. rry Brindle presided. Mr. Linstead sed his remarks upon an address given Cardiff (*C. & D.*, September 2, p. 253, d September 9, p. 280).

ealth Centre Possibilities

MR. THORPE asked if there was not a nger that, whilst the health service was ing developed, chemists would undertake e dispensing, but when health centres ere built the service would be changed er to public dispensaries.

MR. LINSTEAD said that the question was portant. Undoubtedly the pharmacist business must be safeguarded against any tion of that kind. He should not be asked carry the baby. Regarding the factory octor, Mr. Linstead said he was there for nvironmental incidents and accidents nd he gave emergency treatment only. rdinary sickness was provided for by the mily doctor. In large factories there ight be a place for the pharmacist.

Asked if waiting rooms would be neces- ry under the new service, Mr. Linstead aid that in large dispensing businesses uch a room would be an advantage. It was easonable to suggest that patients should e provided with a chair whilst waiting for edicine. Replying to a question about ompany shops and supervision, he said hat company shops and "Co-ops" were art of the trading community. In phar- macy they carried on business in accordance with the pharmacy laws. Work in the hop could not all be done by the pharmacist. Assistants and apprentices had their place at the dispensing counter, though super- vision must be close, direct and personal. He did not know if post-war planning was linked up with the town planning scheme. In established popular shopping centres there might come a time when only chain stores could afford the rent and rates. Chemists with personality and character would still survive, even if they had to go round the corner. In new shopping areas there might be one shop to a trade.

Asked if chemists in business could have working hours comparable with those of hospital pharmacists, Mr. Linstead said that was something to aim for, though obviously there must be a transition period when methods for limiting working hours must be found. He looked forward to the time when there would be at least two pharmacists in each pharmacy, and this would go a long way to meet the situation. National Health Insurance dispensing, he went on, was remunerated on an un- economic basis, and chemists would not contemplate continuing on the N.H.I. scale. He was afraid that chemists with a large private dispensing practice would be hit. There was this possibility, that in good- class areas patients would prefer to consult their private doctor and pay for their medicines. But in time this would change and possibly alter the character of some existing businesses. Asked who would do the dispensing for out-patients at hospitals, Mr. Linstead said it was probable that patients would have domiciliary treatment in the first instance. Many medicines prescribed by consultants were specialised preparations and would probably be best dispensed at the hospital. Ordinary scripts ordered at hospitals and health centres should certainly be dispensed by private pharmacists. The efficiency of their service must be the criterion. There would be an evolution in prescribing, necessitating in some places the use of the autoclave, refrigerator, etc. But the bottle of medicine would last a long time, and this would remain the bulk of medical prescribing. Pathological work was linked up with the diploma in biochemical analysis. This work required skill and specialised know- ledge, but it would have to be done under the supervision of the medical pathologist. It was doubtful if a pharmacist could set up as a private practitioner at the present time. It was unfortunate that they had not complete unity in pharmacy. There were elements they had not been able to carry with them.

Nuns' Penicillin Discovery.—A Press report states that three nuns working under supervision of Professor Edward J. Keegan (chairman of the Biology Depart- ment, St. John's College, New York) have discovered that penicillin can be developed from almost any edible foodstuff containing protein, carbohydrates and butter salts when inoculated with pure penicillin- reproductive bodies.

No Magic.—Even the magic of science has not produced a substitute for paper. You must help to meet the demand for this vital war material.

EDINBURGH BRANCH DISCUSSES N.H.S.

(*Concluded from* THE CHEMIST AND DRUGGIST, *September* 16, *p.* 299)

STAFFING, too, said MR. TEESDALE, was a question on which the Joint Committee should publish its findings. If they were to make a reality of dispensing under the direct and personal control of the pharmacist, it could not be done in a shop employing only one pharmacist. Along with the extension of existing facilities, they must be prepared to meet new developments.

MR. W. F. ANDERSON, Galashiels, asked whether, if pharmacists provided a service of twenty-four hours a day, seven days a week, they would receive a retaining fee, such as applied in the case of the medical and other professions governed by municipal or national conditions. Chemists had accepted terms under the N.H.I. Acts at the poorest minimum, and their only payment was in respect of actual drugs supplied. The premises and the labour involved were not taken into consideration. If they maintained a certain standard of excellence in the provision of the proposed Health Service they should surely receive a similar standard of remuneration for their work.—MR. MELDRUM thanked Mr. Anderson for re-emphasising the points in connexion with remuneration. It was impossible for one man to maintain a twenty-four-hour service, and if pharmacists were asked to do it, naturally it would be necessary for them to engage labour to maintain such a service, and they would require to receive remuneration sufficient for them to employ an adequate staff. That brought him to Mr. Teesdale's point, namely, that once they came to deal with this question, they would require to get into closer contact with the employee organisations. He was sorry it was impossible to meet them at the moment in their clamorous demands for representation on the Joint Committee. The hospital pharmacists had established a claim for priority, but even they were not on the Joint Committee. However, every pharmacist's opinion was being sought, and he was confident that they would render whatever help they could.

Adequate Treatment for All

MISS O. W. SCARLETT, Edinburgh, felt that, under the present system, panel patients were not so well attended as private patients. This was not so much the fault of the doctor or the pharmacist as of the system. They would require to see that, under the proposed Health Scheme, no restrictions were imposed which would prevent adequate treatment and medicaments for all patients.—MR. MELDRUM replied that, under the present N.H.I. system, the amount of money allocated by the Government to provide drugs and medicaments was entirely inadequate. It would be pharmacy's task in the immediate future to convince the Government that it was impossible for them or anyone else to assess the amount of money necessary to meet this new scheme, and that they must be prepared to meet any fund or any amount of funds required to run the service. Under existing arrangements, when money allocated for the purpose was approximated, the doctors were notified to restrict their services. If the Government, at some later date, submitted to pharmacy conditions of service which, in the opinion of pharmacists, did not promise to maintain a properly professional standard, it would be their job to tell the Government so and to refuse to operate such a scheme. They should let the Government know that their standard of service was not to be measured by a bulk grant decided upon in advance.

Limitation of Pharmacies

MRS. J. BAILLIE, Musselburgh, suggested that one of the most important points to be considered was control of the number of chemists' shops. If proprietor pharmacists were to be in a position to maintain the standard of wages that would be rightly expected after the war it would be necessary that there should be some control over the opening and closing of businesses. Mrs. Baillie also made reference to the position of pharmacists in relation to jury service. Pharmacists should be exempt from such duty, and she thought the opportunity should be taken to have the point considered.—MR. MELDRUM was in entire agreement with Mrs. Baillie that it should be the duty of the Committee or Board to assess the necessity for the service dispersal points. It would, however, be a difficult job at the beginning of the scheme to eliminate a man compulsorily. On the question of jury service, if he were called to act as juror, he would consider it a very great privilege, and one which was as highly educative in the life of the pharmacist as of anyone else.

MR. G. HEDDERWICK, Edinburgh, remarked that payment for dispensing N.H.I. prescriptions was standardised, but that

here was no such standardisation in regard o private dispensing. An endeavour hould be made to secure some kind of tandardisation, and he would like to see n extension of the rota system which had een tried out with success in Edinburgh n regard to Sunday work.—THE SPEAKER greed that it might be of advantage to harmacists to group together.

MR. JACKSON, Edinburgh, endorsed the iew that they should prepare a plan, utlining the conditions under which they ould be prepared to undertake the harmaceutical side of the proposed Health cheme. The Minister of Health had asked or this to be done. If they waited for the Minister to present a plan to them, it was ot likely to come up to their expectations. —MR. P. H. CARTWRIGHT, Galashiels, said hat the Minister of Health would be the hemists' best customer at some future late. When a customer came into a chemst's shop, the chemist did not tell the ustomer what he wanted; he waited ntil the customer made a request, then e fulfilled it to the best of his ability. They had not yet been told what style of ervice would be required of them or what erms would pertain, and consequently he id not think they were in a position to iscuss the subject. It was most unfortuate that the pharmaceutical position had een almost entirely omitted in the White Paper.—MR. MELDRUM said Mr. Cartwright ould rest assured that the Minister of Health would ask pharmacy to consult with him. It would be unfortunate if they met the Minister with only a "will o' the wisp" scheme.—MR. BATEMAN asked why they were not in a position to state their point of view. He suggested that the points mentioned that afternoon should be put to the vote.

Function of the Present Discussions

MR. C. G. DRUMMOND (secretary of the Branch) said it must be remembered that the White Paper stated that the Department was prepared to discuss matters with the appropriate pharmaceutical bodies. In addition, the Secretary of State himself had promised to meet representatives of pharmacy. They could not, however, meet the Secretary of State until they had certain basic principles laid down and approved by all the members throughout the country, not merely by the members of the Edinburgh Branch attending that meeting. When they were in a position to meet the Secretary of State they would go forward with principles from which they would not be prepared to move. If, to begin with, they had a frank discussion, without commitment on either side, they would be in a better position to hammer out a scheme; they would be discussing the matter in the daylight, and not in the dark conditions which had prevailed for so long. The primary purpose of that day's meeting was to enable members of the Branch to learn what had taken place so far, and to stimulate discussion. The Scottish Joint Committee on Health Services would receive a report on the meeting to help them in their deliberations, and would probably, in the final analysis, send out a questionnaire to all the members in the country. He was not opposed to taking votes at this stage but the subject was a wide one and no one present could speak for members throughout the country.

DR. TAIT (Society's resident secretary in Scotland) said that the points mentioned that day had been considered by the Scottish Joint Committee on Health Services and, as a result of their deliberations, a statement would shortly be circulated, as Mr. Drummond had mentioned, to every pharmacist in Scotland. Mr. Meldrum's excellent address and the discussion would be of help to the Committee, who wanted the subject discussed throughout the country so that the opinions of pharmacists should become known. Considerable power was suggested for the Central Medical Board, and it was felt that a Pharmacy Board, with some power of control, should also be set up. One of the principles for which they were determined to fight was that, on every committee affecting pharmaceutical interests, pharmacy should secure adequate representation. There was no doubt that hospital representation must soon be included on the Scottish Joint Committee, because hospitals represented one of the most important sections of the proposed scheme. It was satisfactory to note that the Department of Health, in its own Emergency Medical Service hospitals, accorded due recognition to the status of pharmacy and the pharmacist. Dr. Tait said how glad members were to have an address by a Scottish member of Council, who was not afraid to express his thoughts freely.

THE CHAIRMAN thought reiteration of the statement that the Scottish Joint Committee had been considering for some considerable time just such points as had been raised that day would explain why they were not putting the various questions to the vote.

TRADE MARKS

(*From "The Trade Marks Journal," August* 30)

"SNO-MIST"; for perfumes, cosmetics, toilet preparations, soaps, dentifrices, mouth-washes, etc. (3). By The Phillips & Benjamin Co., c/o Trade Mark Owners' Association, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 629,246 (Associated).

Device of a lamp; for all goods except dental stoppings and the like (5). By E. H. Butler & Son, Ltd., 6 Vestry Street, Leicester. 620,967.

"MICAPON"; for pharmaceutical preparations (human and veterinary) (5). By Parke, Davis & Co., 50–54 Beak Street, London, W.1. 628,974.

"VIMARO"; for all goods (5). By Society of Chemical Industry in Basle, c/o Abel & Imray, Quality Court, London, W.C.2. 629,112.

"HONISIN"; for pharmaceutical preparations containing honey (5). By International Chemical Co., Ltd., Braydon Road, London, N.16. B629,169.

"WYN-BRON"; for pharmaceutical preparations (5). By Amovon, Ltd., Wynbro Laboratories, Southfield Lane, Bradford. 629,426 (Associated).

"LUMIGRAPH"; for barometers, thermometers and meteorological instruments (9). By Luminos, Ltd., 45 Belsize Lane, Hampstead, London, N.W.3. 627,022 (Associated).

"MAJESTIC"; for scientific, chemical, optical, photographic, cinematographic, and meteorological instruments and apparatus, etc. (9). By The Majestic Electric Co. (1937), Ltd., Queensway, Ponders End, Middlesex. 626,598 (Associated).

"IMPERIC"; for scientific, chemical and meteorological instruments and apparatus, etc. (not including optical instruments) (9). By The Imperic (Service) Co., Ltd., Queensway, Ponders End, Middlesex. 626,597 (Associated).

"AVONIA" (device of a sailing ship); (on condition that cross devices on Mark shall not be used in red, or in white or silver on a red ground, or in any similar colour or colours) (10); vacuum flasks (21). By E. S. S. Signs, Ltd., 55 and 56 Feeder Road, St. Philip's, Bristol. 625,832, 625,632 (Both Associated).

"ALPEX" and "PRESTO"; for toilet paper (16). By Velvet Crêpe Paper Co., Ltd., Alperton Mills, Woodside End, Mount Pleasant, Alperton, Middlesex. 629,433–38.

"DEB-ORA"; for orange squash (32). By Davies Brothers, 1 Quay Road, Neath. 629,148.

(*From "The Trade Marks Journal," September* 6)

"BOOTS"; for all goods, except adhesives for use in manufacture of boots, etc. (1); soaps, perfumery, essential oils, toilet preparations, dentifrices, etc. (3); all goods, except socks for curative purposes (5). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 616,691–93 (All Associated).

"EMBEKEM"; for industrial, scientific, photographic, and agricultural chemicals, etc (excluding insecticides and the like) manures, fire-extinguishing compositions preservatives, etc. (1); natural resins, etc (2); soaps, perfumery, cosmetics, essential oils, etc. (3). By May & Baker, Ltd. Dagenham, Essex. 626,237–39 (All Associated).

"STYXALON"; for adhesives (1). By H. Smith & Co., Ltd., Ceramyl Works, Diggle, Yorks. B627,118 (Associated).

"BULLY WULLY"; for toilet preparations and soap (3). By Nor-sun, Ltd., 160 Central Drive, Blackpool. 629,220.

"FALLEN LEAVES"; for toilet preparations, and soaps (3). By R. Desvaux & Co., 1 Shorrolds Road, Walham Green, London, S.W.6. 629,677.

"CIBAZIDE"; for all goods (5). By Society of Chemical Industry in Basle, c/o Abel & Imray, Quality House, Quality Court, London, W.C.2. 629,110 (Associated).

"HEBDOTONE"; for pharmaceutical preparations (5). By Cross & Max (Agencies), Ltd., 17–18 Bishops Court, Old Bailey, London, E.C.4. 629,341.

"LOZETTE" and "ZEPHINGE"; for analgesic and sedative preparations in tablet, liquid or powder form, for respiratory complaints (5). By G. W. Taylor, 40 Duncombe Street, Walkley, Sheffield. 629,441–3.

"IMOSA"; for pharmaceutical veterinary preparations (5). By J. Atkinson, Willow Bank, Moor End, Stalmine, nr. Fleetwood, Lancs. 629,466.

"METROLUX"; for artificial teeth, dental instruments and apparatus, etc.; and "METROCRYL"; for artificial teeth and dentures (10). By Metrodent, Ltd., New North Road, Huddersfield. 629,371–72 (Both Associated).

"NYLAX"; for wax for sealing containers for preserving fruit (16). By E. A. Mortimer, 20 North Gyle Avenue, Corstorphine, Edinburgh. 629,238.

(*From "The Trade Marks Journal," September* 13)

"VILKYDE"; for synthetic resins (not being paints, varnishes, etc.) and chemical substances for use in making same (1). By Varnish Industries, Ltd., Broad Street Avenue, Blomfield Street, London, E.C.2. 626,782.

APPLICATION AMENDMENT

According to "The Trade Marks Journal," August 30, 1944, specifications Nos. 625,372 and 628,047, by Koray, Ltd., have been altered so as to read "All goods included in Class 5, except fish oil preparations for pharmaceutical purposes"; and "Laxative tablets or drops containing chocolate or with a chocolate-flavoured coating," respectively.

TRADE REPORT

pot quotations for pharmaceutical chemicals, crude drugs and essential oils represent ne prices for wholesale quantities of standard quality. C.i.f. quotations do not include narine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, September 20

'HE London drug and chemical markets ontinue on the slow side, with little novement to record so far as ruling rates re concerned. PHARMACEUTICAL CHEICALS are moving steadily, with reasonble quantities of most items available for istribution. One of the problems facing nanufacturers in this section is continued lowness in returning empty containers. upply of some products may be seriously npeded as a result of this factor, and users re again urged not to retain packages for n undue length of time.

Crude Drugs

These commodities have been selling lowly and in smallish quantities, with ew material alterations in the generally rm prices now ruling. The position of ALOES is unchanged, with Curaçao scarce nd Cape unobtainable. No changes are oted in BALSAMS, market valuations aving been maintained at quoted levels hroughout. BENZOIN is wanted, but upplies are exceedingly difficult to find. CHILLIES and other spice products conine on the slow side, with consuming lemand restricted. ERGOT is scarce, with pot and forward prices firmly maintained. GUM ACACIA is somewhat limited in supply, but the price is unchanged on the week. As noted last week, KAMALA is dearer. Some offers of MENTHOL are reported from Brazil at a favourable price, but the shipment date (March–April–May) seems to be too far away to attract buyers. Exceedingly firm conditions obtain for RHUBARB, demand for which is maintained. Only a small business is recorded in imported SEEDS, prices of which are unchanged. CARNAUBA WAX is quoted rather dearer.

Essential Oils

Business in this section has again been quiet, with the "free" oils in exceedingly limited supply. Quotations for ANISE (STAR) are nominal, with the supply position unchanged. English distillers' prices for CLOVE and NUTMEG are steady at previously-quoted levels. EUCALYPTUS remains scarce, but no price alteration has occurred. PEPPERMINT is difficult to find, and high prices are being asked for any available supplies.

Pharmaceutical Chemicals

ASPIRIN.—Demand continues fair, with prices unchanged. Currently quoted rates per lb., in quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 4s. (1-lb.); 3s. 10½d. (4-lb.); 3s. 9½d. (7-lb.); 3s. 9d. (14-lb.); 3s. 8½d. (28-lb.).

ATROPINE.—Makers' quotations are steady at the following rates per oz.: ALKALOID, B.P.—1 oz., 35s.; 4 oz., 34s. 6d.; 25 oz., 34s. SULPHATE, B.P.—1 oz., 28s.; 4 oz., 27s. 6d.; 25 oz., 27s. METHYL BROMIDE and METHYL NITRATE, 1 oz., 65s.

BARIUM SULPHATE, B.P. (*x*-ray).—Quoted at the following rates per lb., in quantities of 28 lb.–1 cwt. (containers in brackets): 1s. 5½d. (1-lb.); 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14-lb.); 1s. 2d. (28-lb.).

BENZOIC ACID.—Reasonable stocks are available for medicinal purposes at 3s. to 3s. 6d. per lb., according to quantity.

BENZYL BENZOATE.—Available for approved purposes at 4s. 6d. to 5s. 6d. per lb., according to pack and quantity.

BORIC ACID.—B.P. quality is quoted by makers as follows: Granulated, £70 per ton; crystal, £71; powder, £72. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial grades, £8 per ton less.

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. 4½d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. NITRATE AND SULPHATE.—Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID, 1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (6s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE, 1 oz., 75s.; 4 oz., 90s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Prices per lb. for the home market are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. SODIUM IODIDE, B.P.—28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. IODOFORM, B.P.—28 lb., 12s. 10d.; 14 lb., 13s. 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smaller quantities, 17s. 2d. IODOFORM CRYSTALS.—2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 4 lb., 13s. 9d.; smaller quantities, 14s. 6d.

LACTATES.—Prices are unchanged as follows: LACTIC ACID.—Six-winchester lots, 2s. 10d. per lb.; smaller quantities, 2s. 11d. CALCIUM LACTATE.—Small quantities, 2s. 3d. per lb.

CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 5d. per lb.; 14-lb., 3s. 2d.; 28-lb., 3s.; granular, one penny per lb. extra.

MAGNESIUM CARBONATE, LIGHT.—Makers' home market prices per lb., in quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 1s. 3½d. (1-lb.); 1s. 2d. (4-lb.); 1s. 1d. (7-lb.): 1s. 0½d. (14-lb.); 1s. (28-lb.). Prices net one month.

MANDELATES.—Makers' quotations are unchanged. SODIUM and CALCIUM.—4 oz., 8 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb. net. AMMONIUM (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb., 9s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11½d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb. net. Packages extra and returnable.

MERCURY IODIDES.—The following are makers' prices per lb.: RED, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

PHENOLPHTHALEIN. — Makers' prices are steady as follows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

PILOCARPINE.—Makers quote at the following rates per oz.: Base, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 20s. 9d.; 25 oz., 20s. 3d. Nitrate, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

SANTONIN.—Home trade prices are as follows: 10 kilos and over, £62; not less than 5 kilos, £63; 2–4 kilos, £64; 1 kilo, £65; 500 gm., £66; 250 gm., £67; 100 gm., £68; less than 100 gm., £69 per kilo. Carriage paid in United Kingdom.

TERPINEOL.—Pure medicinal quality may be had at 3s. 3d. to 4s. per lb., for antiseptics of the chloroxylenol type.

VANILLIN.—Current rates are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per lb.

Crude Drugs

AGAR.—Maximum price under the Control of Agar (No. 1) Order is 30s. per lb. Little business is reported.

ALOES.—Cape is still not on offer. Curaçao, scarce on spot at 500s. per cwt.

ARECA NUTS.—Wormy material may be obtained on spot at 105s. per cwt., ex store.

BALSAMS.—*Peru* is firm on spot at 7s. 9d. per lb.; *Canada*, 9s. 9d. to 10s.; *Tolu* and *Copaiba*, unobtainable.

BELLADONNA.—Indian leaf is quoted on spot at 5s. 3d. per lb., and Indian root (testing 0·36 per cent. alkaloids) at 330s. per cwt.

BENZOIN.—It is difficult to find supplies to meet the continued demand. Sumatra is quoted at about £40 per cwt., and Siam almondy block at £45.

CAMPHOR.—Chinese crude, in limited com pass, may be obtained by approved buyers a 10s. per lb.; B.P., bought under simila circumstances, would cost 11s. 6d.

CARDAMOMS.—Practically no business passin in this item. Prices are unchanged as follows Aleppy greens, spot, 5s. 6d. per lb.; Alepp seed, 6s. 6d.; split seed, 5s. 6d.

CASCARA SAGRADA.—Plenty of inquiry bu no offers are reported.

CHAULMOOGRA.—*Hydnocarpus*, spot, 1s. 6d per lb., in tins in cases.

CHILLIES.—Mombasa continues to be quoted on spot at 110s. per cwt., but no other varieties are offered.

CLOVES.—The only variety on offer is Zanzi bar; spot, firm at 1s. 4½d. per lb.

COCOA BUTTER.—Controlled price remains at 1s. 5½d. per lb., ex factory or warehouse, except for sales made under Ministry of Food licence.

COCONUT (DESICCATED).—Ministry of Food Order controls price at 49s. per cwt.

COLOCYNTH.—Dealers' spot quotations for fair white pulp are steady at 2s. 10½d. to 3s. per lb.

DIGITALIS LEAVES.—English-grown leaf may be had at 2s. 6d. per lb.; Portuguese leaves, 140s. per cwt.

DRAGON'S BLOOD.—Dull Zanzibar drop is nominal at £25 per cwt.

ERGOT.—Spot supplies are scarce, but price is unchanged at about 6s. 6d. per lb.

GUM ACACIA.—Kordofan cleaned sorts, firm on spot at 80s. per cwt.; bleached, shipment, 140s. per cwt., c.i.f.; spot, 185s. Talha, cleaned, 50s. per cwt., landed.

HENBANE.—Indian leaf is quoted on spot at from 250s. to 275s. per cwt., according to holder; some low-testing material may be had at 1s. per lb. Russian leaf is quoted at 350s. per cwt.

JABORANDI.—Steady at 52s. 6d. per cwt., but supplies are small.

KAMALA.—As noted last week, this item is dearer at 2s. 6d. per lb. for material with 6 per cent. ash.

LIQUORICE ROOT.—Russian root is available for pharmaceutical use at 85s. per cwt.; single-peeled Syrian, in small supply, at 110s. per cwt., subject to D.M.S. approval.

MENTHOL.—Offers are reported from Brazil for new crop for March–April–May shipment at prices just permitting importers to sell at the controlled figure of 75s. per lb., duty paid. No business appears to have been done, however, presumably because dealers consider the shipment too far away under present circumstances.

MERCURY.—Official quotations range from £68 10s. to £69 15s. per flask, according to conditions and quality, with higher prices for smaller lots and re-distilled grades.

MYRRH.—Fair-quality Aden sorts may be obtained on spot at £20 per cwt.

NUTMEGS.—West Indian, wormy and broken, spot, 1s. 5d. per lb.; sound unassorted, 1s. 7½d.

NUX VOMICA.—Cochin, spot, steady at 2s. 6d. per cwt.; shipment, 35s., c.i.f.; ocanada seed, shipment, 32s. 6d. per cwt., c.i.f.

ORANGE PEEL.—Supplies are exhausted.

PEPPER.—Maximum prices of whole pepper, ot picked over or cleaned, on sale to processors, s. 4d. per lb. for white and 1s. per lb. for black, oth duty paid.

PIMENTO.—Spot sellers at 1s. 4d. per lb.; ipment prices are not quoted.

QUASSIA.—Steady on spot at 37s. 6d. to 40s. er cwt., according to quantity.

QUILLAIA BARK.—Crushed or cut, spot, 90s. er cwt.; natural, 75s.; shipment, 65s., c.i.f.

RHUBARB.—In good request. Rough-round nd flat high-dried are quoted on spot at 12s. r lb., and Shensi irregular shapes at 14s.

SARSAPARILLA.—No supplies are available.

SEEDS.—Quiet, with business on a small ale at previously quoted levels. CORIANDER.—ndian, 75s. per cwt. CUMIN.—Maltese, spot, 5s.; Indian, 100s. DILL.—105s., ex wharf. ENNEL.—Offered at 85s. FENUGREEK.—May had at 80s. MUSTARD.—Controlled prices are nchanged.

STROPHANTHUS SEED.—100 per cent. Kombé ed quoted on spot at 7s. to 7s. 6d. per lb., ccording to quantity.

TRAGACANTH.—Medium grades are quoted as llows: No. 1, white, £130 per cwt.; No. 2, hite, £115; No. 3, white, £100; No. 4, white, 85; pale leaf, £60; amber leaf, £50; dark nber, £40; brown leaf, £30; red-and-brown af, £25; red leaf, from £20; hoggy, £12 to £15.

TURMERIC.—Madras finger, sound-quality, eady on spot at 57s. 6d. per cwt.

VALERIAN ROOT.—Spot would be worth 100s. er cwt., for Indian leaf.

WAXES.—BEES'.—Supplies may be obtained nly through members of the Association of erchant Distributors of Beeswax; official rices are as follows: Crude, 260s. to 290s. per wt.; refined, 315s. to 355s.; bleached, 340s. 370s.; Calcutta, crude, 250s. to 270s.; alcutta, bleached, 325s. to 335s. CARNAUBA.—atty grey, 445s. to 450s. per cwt., ex store, in inimum one-bag lots; shipment, 390s., c.i.f.; rimeira, 530s. to 550s. per cwt., ex store, nomal; shipment, 475s., c.i.f.; medium yellow, 40s., nominal; chalky grey, 440s., nominal; ipment, 380s., c.i.f. (c.i.f. prices include ½ per ent. W.R.I.). CANDELILLA.—Under 1 ton, 20s. per cwt.; 1–5 tons, 217s. 6d.; 5 tons and ver, 215s., ex store. OURICURI.—Spot, 300s. 330s. per cwt., as to quality; shipment, 85s., c.i.f.

CARNAUBA AND OURICURI WAXES.—The Ministry of upply has for disposal small quantities of the above axes: grades, fatty grey, light fatty grey, prime yellow, ranklin and ordinary. Stocks are held in Lancashire nd all sales will be made on ex-store basis. Offers are vited based on current market prices and should be nt to the Ministry of Supply, Sundries Materials ranch, 10 Old Jewry, London, E.C., marked "Carauba or Ouricuri wax offer" on top left-hand corner of nvelope.

Essential and Expressed Oils

ANISE (STAR).—Price continues nominal at 160s. per lb.; the supply position is unchanged.

BAY.—Any available spot supplies would be worth around 12s. per lb.

CASTOR.—Official quotation for firsts is £92 per ton, and that for seconds £90, both naked ex works, in bulk quantities.

CITRONELLA.—Ceylon, spot, 21s. per lb.; Java, scarce at 27s. 6d. per lb.

CLOVE.—English distillers quote at 11s. 6d. to 12s. per lb., according to quantity.

COCONUT.—Bulk quantities of refined deodorised are officially priced at £49 per ton, and refined hardened deodorised at £53.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d.; washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton; all varieties quoted naked ex works.

EUCALYPTUS.—Supplies are short. Oil containing 70 to 75 per cent. cineole would bring in about 7s. 6d. per lb.

GROUNDNUT.—Bulk supplies are officially priced as follows: Refined deodorised, £58 per ton; refined hardened deodorised, to 40°, £62; refined hardened deodorised, to 50° to 52°, £63; all naked ex works.

LEMONGRASS.—Would be worth approximately 13s. per lb.

LINSEED.—The official bulk price of crude was recently advanced by £2 per ton to £62 per ton, naked ex works.

NUTMEG.—English makers quote at 35s. per lb., with lower rates for quantities.

OLIVE.—Quotations for edible oil is steady at 25s. 9d. per gallon (9 lb.), ex store.

PALMAROSA.—Any available supplies would be priced at around 60s. per lb.

PEPPERMINT.—In very small supply with the price in the region of 190s. per lb.

Controlled Essential Oils.—The following prices are effective:—

Bergamot	23s. 10½d.
Camphor	2s.
Coriander	128s. 10d., plus duty, 11s. 6d.
Fennel	11s. 6d., plus duty, 1s.
Lemon oil, distilled	11s. 9d.
Lemon oil, cold-pressed or Sicilian	17s. 4½d.
Peppermint	37s.
Pine needle	13s. 1d., plus duty, 1s. 1d.
Tangerine	33s.
Vetivert	38s. 4d., plus duty, 3s. 5d.
Wormseed	15s. 3½d.

Purchase tax applies to wormseed oil only and the amount of such tax forms an addition to the price to the user. The price on the sale to a user is increased by the authorised charges for breaking bulk.

CORRESPONDENCE

Appreciations

Many thanks for your help. You have "come up to the scratch" yet again.—*P. S.*

We thank you for your letter, which completely clears up the question we had in mind.—*P. L.*

Pharmacists and the Association of Scientific Workers

SIR,—Pharmacists in the public service have for many years endeavoured to improve their status. Resourceful individuals have been able to do so but only by comparison with generally prevailing standards which the individual cannot raise by himself. Only collective action can establish acceptable minimum conditions of employment as a worth-while basis for individual advancement. Present conditions and the certainty of a large increase in the number of pharmacists entering the augmented health services call for a virile professional body of trade union character which has an active membership and an efficient and politically powerful organisation. The Council of the Pharmaceutical Society has advised all employees to join a trade union. It is a matter of profound regret that the advancement of public pharmacists is handicapped, since no organisation concerned with their welfare has an effective negotiating status. The Association of Scientific Workers is a professional organisation registered as a trade union, and within its ranks are found workers in every science and branch of technology. The association now extends its scope of membership to include qualified pharmacists howsoever employed. A meeting is to be held shortly at the house of the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1 (full details of which will shortly be published), to inaugurate a campaign the A.Sc.W. is making to organise all pharmacists. We feel that the policy of the A.Sc.W. merits the support of all public pharmacists, and we cordially invite them to attend the inaugural meeting. The sponsors are determined that professional pharmacy shall no longer remain at the mercy of unsympathetic or quasi-interested authorities but shall achieve adequate status and remuneration. The A.Sc.W. has a long record of achievement. Pharmacists can help to extend that record to include their own craft. The time for effective, virile, collective organisation, and the only chance professional pharmacy has of forging a future of dignity and security, is now.

ALLEN, F. A., Whipps Cross Hospital.
GREENWAY, C. W., West London Hispital
MCLEOD, A., Queen Mary's Hospital Sidcup.
KITCHINGMAN, JOYCE T., St. Mary Abbots Hospital.
PHILLIPSON, W. E., Manchester.
ROYAL, F. B., County Hall, S.E.1.
WEBB, GLADYS V., St. Albans.

MISCELLANEOUS INQUIRIES

Cements.—*F. D. H.*—Of the two formulas given below, the first is for articles composed of casein plastics, the second for china and porcelain products. The following formulas yield good cements:—

I

Casein, in powder	200
Camphor	1
Quicklime	40

Mix well and add water to form a cream. Apply immediately.

II

Acacia, in fine powder ..	1 oz.
Plaster of Paris	4 oz.
Solution of borax, 4 per cent., sufficient to make a stiffish cream.	

Life Cycle of Clothes Moth.—The following paragraph, taken from "Pharmaceutical Formulas," Volume II, illustrates at what point the damage is done: "Moths seldom appear before April and are with us until August or September. They come from last season's eggs, which have been deposited in any hairy or woollen article which the mother has found convenient. Each lay consists of eighteen to 140 eggs and most of these are hatched in from three to eleven days into white soft larvæ or worms, which make for themselves a comfortable case from the cloth in which they are deposited. They begin to grow and use more of the cloth in the process, this continuing for a month, when the worm is at its biggest. Then it begins to wander and makes the tracks over the cloth which are so heartbreaking. But by and by it seeks a cosy spot and, through fastening up the ends of its case, becomes the full-sized cocoon, sleeps all winter and in the spring is ready to take wings and find a mate."

"C. & D." Quiz No. 37.—The answers to the questions on p. 318 are: 1. Baron Berzelius. 2. In 1821, by Reece & Co. 3. Arabic *Asfar*, yellow. 4. P. E. M. Berthelot. 5. Runge, in 1834. 6. From *selene*, the moon. 7. Liq. thymol. co. 8. Abyssinian tea, from *Catha edulis*. 9. Canada turpentine or Canada balsam, an oleoresin from *Abies balsamea*. 10. By pharmacists of Australasia.

FORESIGHT in Pharmacy!

THE reputation for reliability and excellence which "Bayer" pharmaceutical products enjoy has been built up over a long period, and the professions rely without question on the high standard we have always maintained.

The individual pharmacist cannot fail to be aware of the increasing demand for our products, which we are directing by all the means at our disposal to good class pharmacies.

Make sure you get *your* share of this growing business.

Price list on request (1d. stamp please).

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BAYER PRODUCTS LIMITED

Africa House, Kingsway, London, W.C.2

Makers of
"Bayer" Brand Aspirin, 'Panflavin,' 'Luminal,' 'Theominal,' etc.

TRADE **Vaseline** MARK

BRAND

PREPARATIONS

CHESEBROUGH MANUFACTURING CO. LTD., VICTORIA ROAD, WILLESDEN, N.W.10

The Chesebrough Manufacturing Company Ltd. list below the available sizes of "Vaseline" White and Yellow Petroleum Jelly and "Vaseline" Brand Petroleum Jelly Preparations, which are released through the Wholesale Sundriesman according to the availability of raw materials.

		Pre-Tax Retail Price	Suggested Retail Price with P. Tax
"Vaseline" Blue Seal Yellow Petroleum Jelly			
No. 1 size bottles		4½d.	5d.
"Vaseline" Yellow Petroleum Jelly			
No. 2 size, tins		3d.	3½d.
1-lb. tins, round.		(See footnote.)	
7-lb. tins square. (For Dispensing.)			
"Vaseline" White Petroleum Jelly			
No. 1 tins		3½d.	4d.
No. 1 size bottles		6d.	7d.
1-lb. tins, round.		(See footnote.)	
7-lb. tins, square (For Dispensing.)			
"Vaseline" Veterinary Petroleum Jelly	2-lb. tins, round	2/3	2/6½
★ **"Vaseline" Capsicum Petroleum Jelly**	Bottles	1/-	1/1½
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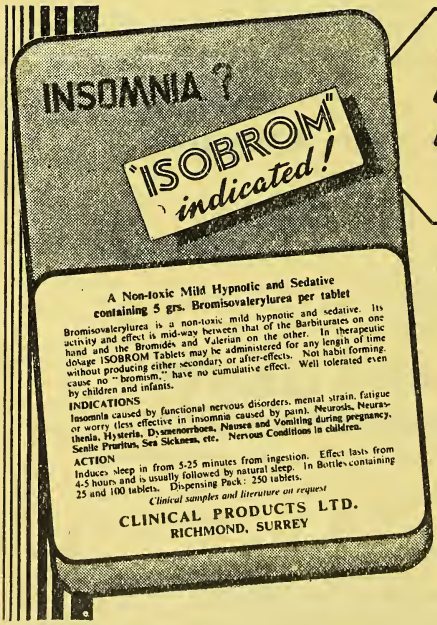
IMPORTANT—The 1-lb. tins of "Vaseline" Petroleum Jelly, both Yellow and White above quoted, must not be offered for sale to the public, as under the Control of Packaging (No. 1) Order, 1942, this size tin must be sold only to Hospitals. Clinics, Doctors, and Allied Medical Professions.



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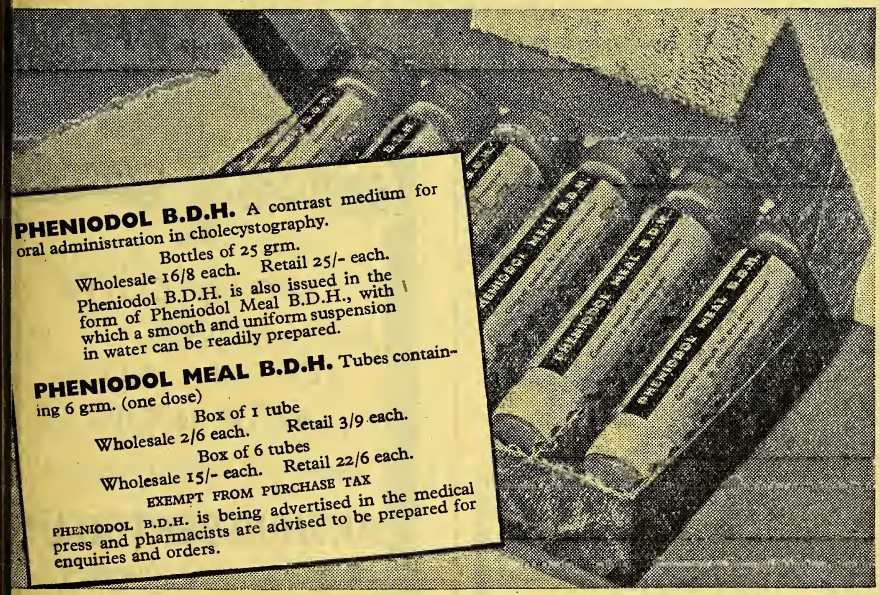

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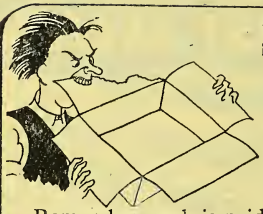

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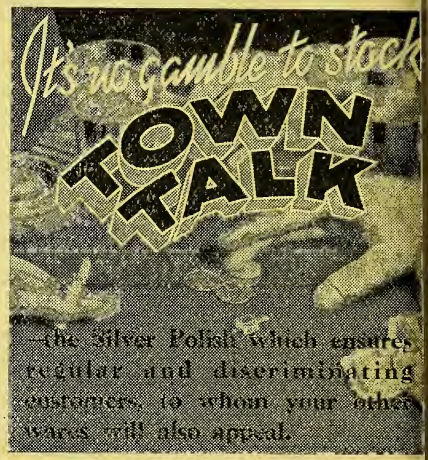

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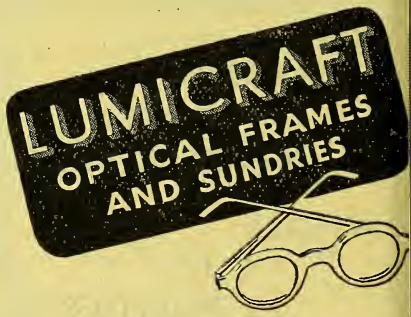

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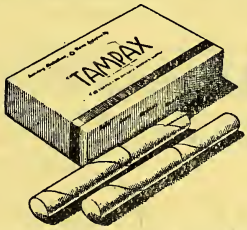

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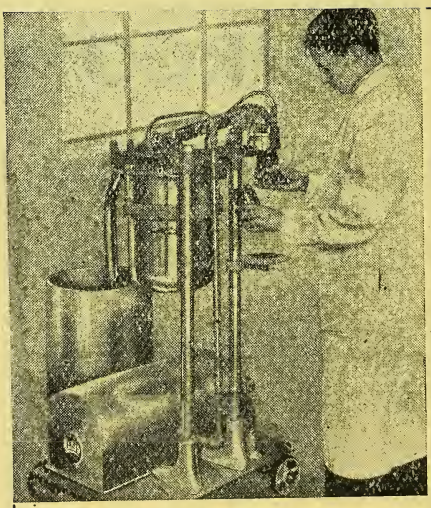

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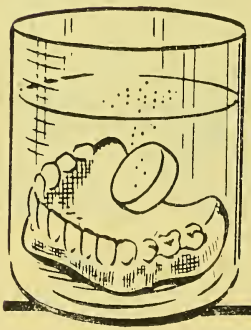

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LEGAL

Re MARIA LAETITIA KEMPE HOMEYARD, *Deceased.*

PURSUANT TO THE TRUSTEE ACT, 1925

NOTICE is hereby given that all creditors and other persons having any debts, claims or demands against the estate of Maria Laetitia Kempe Homeyard, late of 195 Camberwell Grove, London, S.E.5, and Shaldon, Devon (Widow), deceased (who died on the 20th day of April 1944), and Probate of whose Will with one Codicil thereto was granted by the Principal Registry of the Probate Division of His Majesty's High Court of Justice on the 5th day of September 1944, to The Public Trustee, the proving Executor, are hereby required to send particulars, in writing, of their debts, claims or demands to us the undersigned, the solicitors for the said Executor, on or before the 25th day of November, 1944 next, after which date the said Executor will proceed to distribute the assets of the said deceased amongst the persons entitled thereto, having regard only to the debts, claims and demands of which he shall then have had notice; and he will not be liable for the assets of the said deceased, or any part thereof, so distributed, to any person or persons of whose debts, claims or demands he shall not then have had notice.

Dated this 7th day of September, 1944.

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